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A CORRELATION OF THE CURRENT INTERNATIONAL LISTS

AND

A REVISION OF THE INTERNATIONAL LISTS

AS PROPOSED BY

THE AD HOC SUBCOMMITTEE ON LIST REVIEW

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A CORRELATION OF THE CURRENT INTERNATIONAL LIST
AND
A REVISION OF THE INTERNATIONAL LIST
AS PROPOSED BY
THE AB 100 SUBCOMMITTEE ON LIST REVIEW

TABLE OF CONTENTS

<u>CATEGORY</u>	<u>PAGE NO.</u>	<u>CATEGORY</u>	<u>PAGE NO.</u>
Metalworking Machinery and Certain Related Items:	1 - 5	Electronics and Precision Instruments:	21 - 31
1000 - 1099	1 - 4	1500 - 1599	21 - 29
2000 - 2099	4	1600 - 1699	30
3000 - 3099	4 - 5	1700 - 1799	30 - 31
Chemical and Petroleum Equipment:	6 - 10	Metals, Minerals and Their Manufactures:	32 - 36
1100 - 1199	6 - 9	1800 - 1899	32 - 35
2100 - 2199	9	2600 - 2699	35
3100 - 3199	9 - 10	3600 - 3699	35 - 36
Electrical and Power-Generating Equipment:	11 - 12	Chemicals, Plastics and Petroleum Products:	37 - 41
1200 - 1299	11	1900 - 1999	37 - 40
2200 - 2299	11	2700 - 2799	---
3200 - 3299	12	2800 - 2899	40 - 41
General Industrial Equipment:	13 - 15	Rubber and Synthetic Materials:	42
1300 - 1399	13 - 14	1900 - 1999	42
1400 - 1499	---	2900 - 2999	---
1500 - 1599	15	3000 - 3099	42
Transportation Equipment:	16 - 20	Miscellaneous:	42
1600 - 1699	16 - 19	3100 - 3199	42
1700 - 1799	19	3200 - 3299	---
1800 - 1899	20	3300 - 3399	42

SECRET

CATEGORIES: METALWORKING MACHINERY AND CERTAIN RELATED ITEMS

SECRET

1.

CURRENT I/L LISTINGS			PROPOSED REVISION OF I/L LISTINGS				
I/L NO.	DEFINITIONS	ACTION	REMARKS	WATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1001	Vertical boring and turning mills, as follows: (a) all types with table diameter exceeding 96" (2.5 m); (b) automatic types (automatic cycle).	Delete 1001(a) and combine 1001(b) with other cyclic automatic machines in new embargo item 1060.					
1002	Jig boring machines.	Retain as new item 1001	E		1001	1002	1001 - Jig boring machines. (Criteria - a,b,c; TD - a,b,c,d)
1006	Deep hole drilling machines in which the coolant passes through the drill; and hollow drills for such machines.	Retain as new embargo item 1005.	E		1005	1006	1005 - Deep hole drilling machines in which the coolant passes through the drill; and hollow drills for such machines. (Criteria - c; TD - a, b, c, d)
1016	Internal grinding machines: (a) incorporating high frequency (over 60 cycle) spindles; and high frequency spindles and spindle assemblies; (b) other types incorporating spindles with speeds in excess of 60,000 rpm and spindle assemblies.	Revise and expand as new embargo item 1010. Expansion is to avoid possible frustration of control since key elements are the grinding heads and their spindles and spindle assemblies.	E		1010	1016	* 1010 - Grinding heads and parts, whether or not incorporated in machines, as follows: (a) Grinding heads incorporating high frequency (over 60 cycle) spindles; (b) Grinding heads incorporating spindles with speeds in excess of 60,000 rpm; (c) Spindles and spindle assemblies for the above heads. (Criteria - a,b,c; TD - a,b,c,d)
1017	Surface grinding machines, as follows: (a) multi-spindle, rotary table or work holder; (b) horizontal spindle, reciprocating table over 24" (61 cm) wide; (c) multi-spindle disc.	Delete 1017(b) and (c) and retain 1017(a) as new watch item 2001.	W		2001	1017 (a)	* 2001 - Multi-spindle surface grinding machines, rotary table or work holder types, n.e.s. (Criteria - c; TD - a,b,c)
1019	Contour profile grinders.	Retain and combine with item 1090 as part (g) of new embargo item 1060; modest revision in language for purpose of clarification.					
1021	Jig grinders.	Retain as part (b) of new embargo item 1060.					
1022	Lap radial grinders (automatic oscillating types) and machines for grinding concave or convex surfaces such as those in ball bearing races.	Delete.					
1023	Roll grinding machines (machines fitted with, or capable of being fitted with, cambering device only).	Retain as new embargo item 1015.	E		1015	1023	1015 - Roll grinding machines (machines fitted with, or capable of being fitted with, cambering device only). (Criteria - c; TD - a,b,c,d)
1025	Thread grinding machines.	Retain as part (c) of new embargo item 1060.					
1027	Grinding machines for broaching tools, auto cycle, auto sizing.	Delete.					
1039	Engine and center lathes over 18" (45 cm) center height and over 18 feet (5.5 m) between centers.	Delete.					
1040	Horizontal turret lathes of bay capacity 4" (10 cm) and over or swing-over-bed of 24" (61 cm) or more.	Delete.					
1041	Automatic lathes, multi-spindle bar or chucking.	Delete.					
1042	Right angle ("W") lathes (in which the bed is at right angles to the spindle).	Delete.					
1043	Combination tube boring and turning lathes.	Delete.					
1044	Combination lathe, drilling, and milling machines, specially designed for mobile military workshops or for naval craft.	Delete.					
1050	Thread milling machines, 6" (15 cm) work diameter at the thread and over (ground gun jump screw lathes covered by item 1086).	Delete.					
1051	Spar millers.	Delete.					

* Signifies modified or new definition

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CATEGORY: METALWORKING MACHINERY AND CERTAIN RELATED ITEMS

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2.

CURRENT I/L LISTINGS			PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	EMBARGO WATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1052	Planing machines, planer milling machines, and combination planer and planer milling machines, with capacity for work pieces 72" (1.83 m) wide and over or 20' (6.1 m) long and over.	Retain all except "planing machines" and combine with related parts of 2052 to form part (a) of new embargo item 1060; combine the "planing machines" with related coverage of item 2052 to form new watch item 2005.	M	2005	p1052 p2052	* 2005 - Planing machines with capacity for work pieces 48" (1.22 meters) wide and over or 15' (4.57 meters) long and over n.e.s. (Criteria - c; TD - a,b,c)
1053	Armour plate planers	Retain by including as part of Interpretative Note No. 1 to new item 1050.				
1065	Military-type jigs, fixtures and plate metal working accessories (except machines).	Delete.				
1070	Forging hammers, as follows: (a) having a falling weight exceeding 6 tons (English or metric); (b) steam, air or mechanical hammers of rated size exceeding 5 tons (English or metric).	Retain as new embargo item 1020.	E	1020	1070	1020 - Forging hammers, as follows: (a) having a falling weight exceeding 6 tons (English or metric); (b) steam, air or mechanical hammers of rated size exceeding 5 tons (English or metric). (Criteria - c; TD - a,b,c)
1072	Presses, mechanical or hydraulic, with rated pressures of over 1000 tons. (Note: The "tons" mentioned are those commonly used in the metalforming industry of the exporting country.)	Retain as new embargo item 1025.	E	1025	1072	1025 - Presses, mechanical or hydraulic, with rated pressures of over 1000 tons. (Note: The "tons" mentioned are those commonly used in the metalforming industry of the exporting country.) (Criteria - b,c; TD - a,b,c,d)
1073	Machinery for drawing and/or tempering wire .015" (.381 mm) in diameter or less or tubing .026" (.660 mm) in diameter or less.	Retain as new embargo item 1030.	E	1030	1073	1030 - Machinery for drawing and/or tempering wire .015" (.381 mm) in diameter or less or tubing .026" (.660 mm) in diameter or less. (Criteria - b,c; TD - a,b,c,d)
1075	Spinning lathes, except those with a spindle drive motor of 10 hp or less.	Delete.				
1080	Machines and equipment specially designed for making or measuring gas turbine blades, including but not limited to the following: (a) blade belt grinding machines; (b) blade edge radiusing machines; (c) blade polishing machines; (d) blade aerofoil milling and/or grinding machines; (e) blade fillet radiusing and/or platform forming machines or equipment; (f) blade root milling machines; (g) blade blank preforming machines; (h) blade rolling machines; (i) blade aerofoil shaping machines; (j) blade root grinding machines; (k) blade aerofoil scribing equipment; (l) blade aerofoil and/or root automatic measuring equipment.	Retain as new embargo item 1035.	E	1035	1080	1035 - Machines and equipment specially designed for making or measuring gas turbine blades, including but not limited to the following: (a) blade belt grinding machines; (b) blade edge radiusing machines; (c) blade polishing machines; (d) blade aerofoil milling and/or grinding machines; (e) blade fillet radiusing and/or platform forming machines or equipment; (f) blade root milling machines; (g) blade blank preforming machines; (h) blade rolling machines; (i) blade aerofoil shaping machines; (j) blade root grinding machines; (k) blade aerofoil scribing equipment; (l) blade aerofoil and/or root automatic measuring equipment. (Criteria - a,b,c; TD - a,b,c,d)
1081	Special machinery for the working or forming of aircraft sheet, plate or extrusion.	Retain as new embargo item 1040.	E	1040	1081	1040 - Special machinery for the working or forming of aircraft sheet, plate or extrusion. (Criteria - a,b; TD - a,b,c,d)
1084	Equipment designed for removing surplus stock from workpieces of metal or other materials: (a) by the discharge of electric sparks from a shaped electrode; (b) by applying ultrasonic vibrations; (c) by electrolytic means in combination with abrasive action.	Retain, revise and expand as new embargo item 1045; revision of part (a) is for clarification; part (d) represents expanded coverage.	E	1045	1084	* 1045 - Equipment designed for removing surplus stock from workpieces of metal or other materials: (a) By electro erosion (except equipment designed for cutting (separating) of sheets, plates, structural, bars, etc.) (b) by applying ultrasonic vibrations; (c) by electrolytic means in combination with abrasive action; (d) by chemmilling (to be further defined) (Criteria - b; TD - a,b,c,d)
1086	All machines and equipment specially designed for manufacturing armaments (i.e., arms, munitions, and implements of war). (For illustrations, see Interpretative Note No. 1).	Retain as new embargo item 1050 and combine with item 1053 by adding "armour plate planers" to Interpretative Note No. 1.	E	1050	1086 1053	* 1050 - All machines and equipment specially designed for manufacturing armaments (i.e., arms, munitions, and implements of war). (For illustrations, see Interpretative Note No. 1). (Criteria - a; TD - a,b,c,d)

* Signifies modified or new definition.

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CATEGORY: METALWORKING MACHINERY AND CERTAIN RELATED ITEMS

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CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L No.	DEFINITIONS	ACTION	EMBARGO	WATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1087	External surface broaching machines; and external surface broaching tools.	Delete.					
1088	Gear making machinery: All machinery designed for the manufacture and/or finishing of machine cut gears (except hobbing machines of 48" (1.22 m) maximum work diameter or less, and gear grinding machines of a non-generating type).	Retain as part (f) of new embargo item 1060.					
1089	Honing machines with multiple work stations.	Retain as part (e) of new embargo item 1060.					
1090	Profiling and duplicating machinery, as follows: (a) die-sinking machines; (b) profiling machines for marine and aircraft propeller blades (planing, shaping, milling or grinding); (c) profiling and duplicating milling machines (except propeller types covered by (b)); (d) profiling machines, n.e.s.; (e) attachments for center lathes, capstan lathes, milling machines and vertical borers, which make them capable of carrying out profiling and duplicating (except taper turning attachments).	Retain parts (a) through (d) and revise in combination with 1089 to form part (g) of new embargo item 1060. Delete part (e).					
New Item		New Item: For simplicity and to focus attention on the better automatic machine tools various items or parts thereof were combined to form new embargo item 1060.	E		1060	1001(b) 1021 1025 1052 1052 1089 1088 1090 1029 2002 3011	1060 - Cyclic automatic machines** as follows: (a) Vertical boring and turning mills; (b) Jig grinders; (c) Thread grinding machines; (d) Planer milling machines and combination planer and planer milling machines; with capacity for work pieces 48" (1.22 meters) wide and over or 15' (4.57 meters) long and over. (e) Honing machines with multiple work stations. (f) Gear making machinery: All machinery designed for the manufacture and/or finishing of machine cut gears (except hobbing machines of 48" (1.22 m) maximum work diameter or less, and gear grinding machines of a non-generating type). (g) Profiling and duplicating machinery, as follows: (1) Die-sinking machines; (2) Profiling and duplicating machines (planing, shaping, milling or grinding), n.e.s., except two-dimensional pantograph engraving machines designed to use direct-driven cutters powered by motors of 1/4 hp or less. (b) High precision (fine) boring machines, production types only, capable of an accuracy of 0.0005 inch (0.013 mm) or better. (1) Internal cylindrical grinding machines, automatic sizing and/or centerless types. (TD - a,b,e,d)
New Item		New Item: A new embargo item 1065 has been developed to reflect the increasing use of electronic equipment for controlling operations of machine tools. The proposed definition is still under review as to wording.	E		1065		1065 - Engineered electronic feedback controls designed for controlling machine tool cutting and/or forming operations whether or not incorporated in the machines (to be further checked and to be correlated with comparable analysis of automaticity in other categories). (Criteria - b,c; TD - a,b,e,d).
1385	Diamonds suitable for industrial use, including splints and borers. (Note: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable diamonds suitable either for gem stones or industrial diamonds.)	Retain as new embargo item 1070.	E		1070	1385	1070 - Diamonds suitable for industrial use, including splints and borers. (Note: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable diamonds suitable either for gem stones or industrial diamonds.) (Criteria - c; TD - c)
1386	Diamond wire drawing dies, diamond dressers, diamond boring and turning tools, and diamond core drill bits.	Retain as new embargo item 1075.	E		1075	1386	1075 - Diamond wire drawing dies, diamond dressers, diamond boring and turning tools, and diamond core drill bits. (Criteria - c; TD - None)

**Signifies modified or new definition.
 1.1. cyclic automatic machine is understood to mean any machine which performs a reset cycle of operations repetitively with almost no human intervention. The function of the worker is limited to manual pushbutton starting and stopping, observing and adjusting the performance to correct any malfunction, and repairing and maintaining the machine.
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CATEGORY: VENTILATING, FORTIFYING AND CERTIFYING ITEMS

SECRET 4.

CURRENT I/L LISTINGS			PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS	
1387	Diamond grinding wheels, sticks, bones and lags.	Retain as new embargo item 1060.	E	1060	1387	1060 - Diamond grinding wheels, sticks, bones and lags. (Criteria: c) TD - None).
New Item		A new embargo item 1065 was developed from old C-375.	E	1065	P-375	* 1065 - Abrasive products finer than size 600 mesh and heavier products made therewith, n.e.s. (Criteria: - c) TD - c).
2001	Vertical boring and turning mills, as follows: Non-automatic types with table diameter 72 inches (1.83 m) up to and including 96 inches (2.50 m).	Delete.				
2002	High precision (fine) boring machines, production types only, capable of an accuracy of 0.0005 inch (0.013 mm) per bottom.	Retain as part (h) of new embargo item 1060.				
2003	Horizontal combination boring, drilling, and milling machines (horizontal boring machines).	Delete.				
2090	Horizontal spindle bed type automatic milling machines (cycle type) with tables 20 inches (50 cm) wide and over and/or 48 inches (1.22 m) long and over.	Repeals and combine with 2090 to form new item 1010.	N	2010	2090	* 2010 - Automatic milling machines (cycle type) with tables 20" (50 centimeters) wide and over and/or 48" (1.2 meters) long and over, n.e.s. (Criteria: - c) TD - a,b,c)
2092	Planing machines, planer milling machines, and combination planer and planer milling machines, with capacity for work pieces 48 inches (1.22 m) up to but not including 72 inches (1.83 m) wide and 15 feet (4.57 m) up to but not including 20 feet (6.10 m) long.	Retain by combining coverage except for "planing machines" with related coverage of 1092 to form new embargo item 1060(d); - by combining the "planing machine" coverage of 1092 and 2092 to form new item 1005.				
2070	Forging hammers, as follows: (a) having a falling weight of 3 tons up to and including 6 tons (English or metric); (b) steam, air or mechanical hammers of rated sizes 2.5 tons up to and including 5 tons (English or metric).	Retain as new item 2015.	N	2015	2070	2015 - Forging hammers, as follows: (a) having a falling weight of 3 tons up to and including 6 tons (English or metric); (b) steam, air or mechanical hammers of rated sizes 2.5 tons up to and including 5 tons (English or metric). (Criteria: - c) TD - a,b,c)
2074	Forging machines, as follows: (a) forging machines capable of operating on bar stock of a diameter exceeding 3.5 inches (8.9 cm) or of equivalent cross section; (b) forging roll machinery.	Retain as new embargo item 1055.	E	1055	2074	1055 - Forging machines as follows: (a) forging machines capable of operating on bar stock of a diameter exceeding 3.5 inches (8.9 cm) or of equivalent cross section; (b) forging roll machinery. (Criteria: - c) TD - a,b,c,d)
3008	Multi-station machine tools in which the work piece is indexed or transferred successively from station to station.	Retain as new item 2020.	N	2020	3008	* 2020 - Multi-station machine tools in which the work piece is indexed or transferred successively from station to station, n.e.s. (Criteria: - c) TD - a,b,c)
3010	Internal cylindrical grinding machines, centerless (whether or not automatic feeding).	Delete.				
3011	Internal cylindrical grinding machines, mechanical or hydraulic feed, production types only (i.e., automatic feed, automatic feeding, or centerless).	Retain part of coverage as part (i) of 1060 and delete remainder.				
3012	Combined internal and external cylindrical grinding machines.	Delete.				
3017	Single-spindle surface grinders, n.e.s., with table width of 12 inches (30 cm) or more.	Delete.				
3018	Grainshaver, crankpin, and camshaft grinders, with capacity for shafts 48 inches (1.22 m) long and over*, (except those not exceeding 5 metric tons total weight and designed for or equipped with a wheel head motor not exceeding 12 hp).	Delete.				
3034	Acie lathes	Delete.				
3090	Automatic milling machines (cycle type) with tables 20 inches (50 cm) wide and over and/or 48 inches (1.22 m) long and over (except horizontal spindle bed type covered by item 2090).	Retain by combining with 2090 to form new item 1010.				
3095	Horizontal drive-cut shapers, hydraulic or mechanical, with a stroke of 10 inches (25 cm) or more.	Delete.				

*Signifies modified or new definition.

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CLASSIFIED: INTERNATIONAL SECURITY AND CRYPTOLOGICAL ITEMS

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5.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	DELETED	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS	
3067	Metal cutting and working tools (not incorporating diamonds) for machine operations, as follows: (a) shearing tools, (except those covered by item 1087); (b) gear cutting tools, (except those covered by item 1087); (c) forging roll sets.	Delete					
3068	Carbide and carbide-tipped cutting tools or dies for metal-working machinery, as follows: (a) shearing tools; (b) special design; (c) inserts (tips).	Delete most of the items; a review of the items is being made to determine whether the latest developments in this field provide a basis for any control.					
3072	Presses, mechanical and hydraulic with rated pressures 1000 tons or less. (Excludes the "ones" mentioned are those commonly used in the metal-forming industry of the exporting country.)	1/ It is believed that this item should be controlled at least by placement on the watch list. 2/ It is believed that this item is being made to determine whether because of certain recent developments in the cold forming process of importance to the production of ammunition, some part of this item may warrant embargo.					

1/ Further review still underway.

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CATEGORY: CHEMICAL AND PETROLEUM EQUIPMENT

SECRET 6.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REMARKS	DATE	DATE	DATE	DEFINITIONS
1101	Equipment specially designed for the production of nitrogen tetroxide and/or its conversion to nitric acid at 98 percent or higher concentration.	Refain as new embargo item 1101.	R	1101	1101		1101 - Equipment specially designed for the production of nitrogen tetroxide and/or its conversion to nitric acid at 98 percent or higher concentration. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)
1106	Centrifugal counter-current solvent extractors.	Refain and expand to form new embargo item 1105.	R	1105	1106		1105 - Centrifugal counter-current extractors and specialized parts and controls therefor. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)
1110	Gas-liquidizing equipment, as follows: (a) Liquid oxygen or liquid hydrogen producing plants specially designed to be mobile or transportable in one or more units; (b) Equipment for the separation of helium from natural gases; (c) Equipment for the separation of helium from natural gases; specially designed for operation at pressures of 300 psi or over, n.e.s., except equipment specially designed for liquefying chlorine and ammonia or stationary equipment for liquefying carbon dioxide. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)	Refain and expand in combination with item C-114. This action reflects increased use of such equipment for military purposes.	R	1110	1110		1110 - Gas-liquidizing equipment, as follows: (a) Equipment for the separation of helium from natural gases; (b) Gas-liquidizing equipment designed for operation at pressures of 300 psi or over, n.e.s., except equipment specially designed for liquefying chlorine and ammonia or stationary equipment for liquefying carbon dioxide. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)
1112	Equipment for the production of hydrogen and deuterium oxides, as follows: (a) Complete installations capable of producing hydrogen at a rate of 30,000 cu ft (850 cu m) or more per hour; (b) Equipment for production or concentration of deuterium oxides; (c) Electrolytic cells for the production of hydrogen at a rate of 60 cu ft (1.7 cu m) or more per hour.	Refain and expand in combination with item C-109 to form new embargo item 1115.	R	1115	1112		1115 - Equipment for the production of hydrogen and/or deuterium oxide, as follows: (a) Complete installations capable of producing hydrogen by the electrolytic process at a rate of 30,000 cu ft (850 cu m) or more per hour; (b) Equipment for production or concentration of deuterium oxide; (c) Electrolytic cells for the production of hydrogen at a rate of 60 cu ft (1.7 cu m) or more per hour; (d) Hydrogen producing equipment utilizing gas-catalytic or gas extraction processes and hydrogen purification equipment therefor. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)
1118	Equipment for the production of military explosives, as follows: (a) Complete installations; (b) Specialized components (see list of key specialized components in Interpretative Note to 4); (c) Nitration batch types with a capacity of 125 Imperial gallons (570 litres) or more, and continuous types.	Refain as new embargo item 1120.	R	1120	1118		1120 - Equipment for the production of military explosives, as follows: (a) Complete installations; (b) Specialized components (see list of key specialized components in Interpretative Note to 4); (c) Nitration batch types with a capacity of 125 Imperial gallons (570 litres) or more, and continuous types. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)
1125	Plant for the production of titanium metal (excluding separate plant for the production of titanium tetrachloride), as follows: (a) Complete installations; (b) Specialized components.	Refain and expand to cover silicon products using equivalent equipment and refining process of silicon. Refrain to form new embargo item 1125.	R	1125	1125		1125 - Plant for the production of titanium and zirconium metals (excluding separate plant for the production of titanium or zirconium tetrachloride), as follows: (a) Complete installations; (b) Specialized components; (c) Electric furnaces specially designed for the recovery of titanium or zirconium from scrap. (Criteria - 4.b.cj TD - 4.b.c.d.g.e)
1130	Compressor, n.e.s., of 300 hp or more capable of delivering air, gases or vapours at pressures exceeding 450 psi (32 kg per sq cm).	Refain as new embargo item 1130.	R	1130	1130		1130 - Compressor, n.e.s., of 300 hp or more capable of delivering air, gases or vapours at pressures exceeding 450 psi (32 kg per sq cm). (Criteria - 4.b.cj TD - 4.b.c.d.g.e)

*Signifies modified or new definition

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7.

PROPOSED REVISION OF I/L LISTINGS

* Signifies modified or new definition.

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CATEGORY: CHEMICAL AND PETROLEUM EQUIPMENT

8. SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REMARKS	WATCH	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
1151	Equipment for the production of lubricants (petroleum based or synthetic) and complete plants for the processing of these units; (a) solvent processing units (including phenol, alcohol, furfural and nitrobenzene solvent extraction and propane de-asphalting units); (b) desolting units (including centrifugal and solvent desolting units, such as bedded, before and after desolting); (c) filtration units (including percolation filtration, contact filtration, and filter fractionation units); (d) fractionating, rectifying, and depleting columns, and parts thereof; (e) hydrogenation equipment (complete installations and specialized components) designed to operate at pressures of 500 psi (35 kg/cm ²) or over and specially designed for the production of amends or methanol).	Retain and combine with items 1152 and 1153 to form new embargo item 1160.	3		1160	1151 1152 1153	*1160 - Equipment for the extraction, production, refining or treatment of lubricants (petroleum based or synthetic), aviation fuels or hydrocarbons, as follows: (a) Processing units, the following: (1) solvent processing units (including phenol, alcohol, furfural and nitrobenzene solvent extraction and propane de-asphalting units); (2) desolting units (including centrifugal and solvent desolting units, such as bedded, before and after desolting); (3) filtration units (including percolation filtration, contact filtration, and filter fractionation units); (4) fractionating, rectifying, and depleting columns; (5) hydrogenation equipment designed to operate at 500 psi or over (except equipment specially designed for the production of amends or methanol); (6) dehydrogenation equipment, separating or stabilizing of natural or refined gases; (7) isomerization; (8) polymerization; (9) aromatization; (10) alkylation; (11) de-asphalting; (12) de-oilification; (13) thermal or catalytic cracking or reforming, including hydrogenation; (b) Parts or auxiliary equipment specially designed for use in or with the above units; (c) Complete plants including any of the above units. (Criteria - b;c; D - 4,b,c,e)
1152	Natural oil and natural gas treatment equipment, as follows: (a) units for treating, separating and stabilizing, and natural gas extraction; (b) complete plants including any of the above units; (c) items of equipment specially designed therefor (including, but not limited to, the following: stabilizing, absorption and stripping vessels; separators; condensers).	Retain and expand in combination with items 1151 and 1153 to form new embargo item 1160.					
1153	Coal production equipment, as follows: (a) processing units of types suitable for the production of components of aviation fuels for reciprocating engines (including alkylation, thermal and catalytic cracking and reforming units, isomerization, aromatization, alkylation, hydrogenation and polymerization); (b) complete plants including any of these units.	Retain and expand in combination with items 1151 and 1152 to form new embargo item 1160.					
1154	Welded or seamless steel drill pipe, conforming with API specifications for oil country tubular products. (See also items 2154 and 3154.)	Retain and combine with item 2154 to form new watch item 2165.			2105	1154 2154	*2105 - Steel pipe, casing, tubing and drill pipe, conforming to API specifications for oil country tubular goods, as follows: (a) drill pipe; (b) welded or seamless line pipe over 24 inches (61 cm) outside diameter; (c) welded or seamless casing and tubing. (Criteria - c; D - 2000)
1159	Carbon black furnaces, controlled atmosphere types intermittent or continuous.	Retain and expand as new embargo item 1165	2		1165	1159	*1165 - Carbon black furnaces, controlled atmosphere types (intermittent or continuous) and specially designed parts therefor. (Criteria - b; D - 4,b,c,d,e)

* Signifies modified or new definition

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CATEGORY: SPECIAL AND PRIORITY SUBINFORM

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9.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DESCRIPTION	ACTION	12.20	12.21	12.22	12.23	12.24	12.25	12.26	12.27	12.28	12.29	12.30	12.31	12.32	12.33	12.34	12.35	12.36	12.37	12.38	12.39	12.40	12.41	12.42	12.43	12.44	12.45	12.46	12.47	12.48	12.49	12.50	12.51	12.52	12.53	12.54	12.55	12.56	12.57	12.58	12.59	12.60	12.61	12.62	12.63	12.64	12.65	12.66	12.67	12.68	12.69	12.70	12.71	12.72	12.73	12.74	12.75	12.76	12.77	12.78	12.79	12.80	12.81	12.82	12.83	12.84	12.85	12.86	12.87	12.88	12.89	12.90	12.91	12.92	12.93	12.94	12.95	12.96	12.97	12.98	12.99	13.00	13.01	13.02	13.03	13.04	13.05	13.06	13.07	13.08	13.09	13.10	13.11	13.12	13.13	13.14	13.15	13.16	13.17	13.18	13.19	13.20	13.21	13.22	13.23	13.24	13.25	13.26	13.27	13.28	13.29	13.30	13.31	13.32	13.33	13.34	13.35	13.36	13.37	13.38	13.39	13.40	13.41	13.42	13.43	13.44	13.45	13.46	13.47	13.48	13.49	13.50	13.51	13.52	13.53	13.54	13.55	13.56	13.57	13.58	13.59	13.60	13.61	13.62	13.63	13.64	13.65	13.66	13.67	13.68	13.69	13.70	13.71	13.72	13.73	13.74	13.75	13.76	13.77	13.78	13.79	13.80	13.81	13.82	13.83	13.84	13.85	13.86	13.87	13.88	13.89	13.90	13.91	13.92	13.93	13.94	13.95	13.96	13.97	13.98	13.99	14.00	14.01	14.02	14.03	14.04	14.05	14.06	14.07	14.08	14.09	14.10	14.11	14.12	14.13	14.14	14.15	14.16	14.17	14.18	14.19	14.20	14.21	14.22	14.23	14.24	14.25	14.26	14.27	14.28	14.29	14.30	14.31	14.32	14.33	14.34	14.35	14.36	14.37	14.38	14.39	14.40	14.41	14.42	14.43	14.44	14.45	14.46	14.47	14.48	14.49	14.50	14.51	14.52	14.53	14.54	14.55	14.56	14.57	14.58	14.59	14.60	14.61	14.62	14.63	14.64	14.65	14.66	14.67	14.68	14.69	14.70	14.71	14.72	14.73	14.74	14.75	14.76	14.77	14.78	14.79	14.80	14.81	14.82	14.83	14.84	14.85	14.86	14.87	14.88	14.89	14.90	14.91	14.92	14.93	14.94	14.95	14.96	14.97	14.98	14.99	15.00	15.01	15.02	15.03	15.04	15.05	15.06	15.07	15.08	15.09	15.10	15.11	15.12	15.13	15.14	15.15	15.16	15.17	15.18	15.19	15.20	15.21	15.22	15.23	15.24	15.25	15.26	15.27	15.28	15.29	15.30	15.31	15.32	15.33	15.34	15.35	15.36	15.37	15.38	15.39	15.40	15.41	15.42	15.43	15.44	15.45	15.46	15.47	15.48	15.49	15.50	15.51	15.52	15.53	15.54	15.55	15.56	15.57	15.58	15.59	15.60	15.61	15.62	15.63	15.64	15.65	15.66	15.67	15.68	15.69	15.70	15.71	15.72	15.73	15.74	15.75	15.76	15.77	15.78	15.79	15.80	15.81	15.82	15.83	15.84	15.85	15.86	15.87	15.88	15.89	15.90	15.91	15.92	15.93	15.94	15.95	15.96	15.97	15.98	15.99	16.00	16.01	16.02	16.03	16.04	16.05	16.06	16.07	16.08	16.09	16.10	16.11	16.12	16.13	16.14	16.15	16.16	16.17	16.18	16.19	16.20	16.21	16.22	16.23	16.24	16.25	16.26	16.27	16.28	16.29	16.30	16.31	16.32	16.33	16.34	16.35	16.36	16.37	16.38	16.39	16.40	16.41	16.42	16.43	16.44	16.45	16.46	16.47	16.48	16.49	16.50	16.51	16.52	16.53	16.54	16.55	16.56	16.57	16.58	16.59	16.60	16.61	16.62	16.63	16.64	16.65	16.66	16.67	16.68	16.69	16.70	16.71	16.72	16.73	16.74	16.75	16.76	16.77	16.78	16.79	16.80	16.81	16.82	16.83	16.84	16.85	16.86	16.87	16.88	16.89	16.90	16.91	16.92	16.93	16.94	16.95	16.96	16.97	16.98	16.99	17.00	17.01	17.02	17.03	17.04	17.05	17.06	17.07	17.08	17.09	17.10	17.11	17.12	17.13	17.14	17.15	17.16	17.17	17.18	17.19	17.20	17.21	17.22	17.23	17.24	17.25	17.26	17.27	17.28	17.29	17.30	17.31	17.32	17.33	17.34	17.35	17.36	17.37	17.38	17.39	17.40	17.41	17.42	17.43	17.44	17.45	17.46	17.47	17.48	17.49	17.50	17.51	17.52	17.53	17.54	17.55	17.56	17.57	17.58	17.59	17.60	17.61	17.62	17.63	17.64	17.65	17.66	17.67	17.68	17.69	17.70	17.71	17.72	17.73	17.74	17.75	17.76	17.77	17.78	17.79	17.80	17.81	17.82	17.83	17.84	17.85	17.86	17.87	17.88	17.89	17.90	17.91	17.92	17.93	17.94	17.95	17.96	17.97	17.98	17.99	18.00	18.01	18.02	18.03	18.04	18.05	18.06	18.07	18.08	18.09	18.10	18.11	18.12	18.13	18.14	18.15	18.16	18.17	18.18	18.19	18.20	18.21	18.22	18.23	18.24	18.25	18.26	18.27	18.28	18.29	18.30	18.31	18.32	18.33	18.34	18.35	18.36	18.37	18.38	18.39	18.40	18.41	18.42	18.43	18.44	18.45	18.46	18.47	18.48	18.49	18.50	18.51	18.52	18.53	18.54	18.55	18.56	18.57	18.58	18.59	18.60	18.61	18.62	18.63	18.64	18.65	18.66	18.67	18.68	18.69	18.70	18.71	18.72	18.73	18.74	18.75	18.76	18.77	18.78	18.79	18.80	18.81	18.82	18.83	18.84	18.85	18.86	18.87	18.88	18.89	18.90	18.91	18.92	18.93	18.94	18.95	18.96	18.97	18.98	18.99	19.00	19.01	19.02	19.03	19.04	19.05	19.06	19.07	19.08	19.09	19.10	19.11	19.12	19.13	19.14	19.15	19.16	19.17	19.18	19.19	19.20	19.21	19.22	19.23	19.24	19.25	19.26	19.27	19.28	19.29	19.30	19.31	19.32	19.33	19.34	19.35	19.36	19.37	19.38	19.39	19.40	19.41	19.42	19.43	19.44	19.45	19.46	19.47	19.48	19.49	19.50	19.51	19.52	19.53	19.54	19.55	19.56	19.57	19.58	19.59	19.60	19.61	19.62	19.63	19.64	19.65	19.66	19.67	19.68	19.69	19.70	19.71	19.72	19.73	19.74	19.75	19.76	19.77	19.78	19.79	19.80	19.81	19.82	19.83	19.84	19.85	19.86	19.87	19.88	19.89	19.90	19.91	19.92	19.93	19.94	19.95	19.96	19.97	19.98	19.99	20.00	20.01	20.02	20.03	20.04	20.05	20.06	20.07	20.08	20.09	20.10	20.11	20.12	20.13	20.14	20.15	20.16	20.17	20.18	20.19	20.20	20.21	20.22	20.23	20.24	20.25	20.26	20.27	20.28	20.29	20.30	20.31	20.32	20.33	20.34	20.35	20.36	20.37	20.38	20.39	20.40	20.41	20.42	20.43	20.44	20.45	20.46	20.47	20.48	20.49	20.50	20.51	20.52	20.53	20.54	20.55	20.56	20.57	20.58	20.59	20.60	20.61	20.62	20.63	20.64	20.65	20.66	20.67	20.68	20.69	20.70	20.71	20.72	20.73	20.74	20.75	20.76	20.77	20.78	20.79	20.80	20.81	20.82	20.83	20.84	20.85	20.86	20.87	20.88	20.89	20.90	20.91	20.92	20.93	20.94	20.95	20.96	20.97	20.98	20.99	21.00	21.01	21.02	21.03	21.04	21.05	21.06	21.07	21.08	21.09	21.10	21.11	21.12	21.13	21.14	21.15	21.16	21.17	21.18	21.19	21.20	21.21	21.22	21.23	21.24	21.25	21.26	21.27	21.28	21.29	21.30	21.31	21.32	21.33	21.34	21.35	21.36	21.37	21.38	21.39	21.40	21.41	21.42	21.43	21.44	21.45	21.46	21.47	21.48	21.49	21.50	21.51	21.52	21.53	21.54	21.55	21.56	21.57	21.58	21.59	21.60	21.61	21.62	21.63	21.64	21.65	21.66	21.67	21.68	21.69	21.70	21.71	21.72	21.73	21.74	21.75	21.76	21.77	21.78	21.79	21.80	21.81	21.82	21.83	21.84	21.85	21.86	21.87	21.88	21.89	21.90	21.91	21.92	21.93	21.94	21.95	21.96	21.97	21.98	21.99	22.00	22.01	22.02	22.03	22.04	22.05	22.06	22.07	22.08	22.09	22.10	22.11	22.12	22.13	22.14	22.15	22.16	22.17	22.18	22.19	22.20	22.21	22.22	22.23	22.24	22.25	22.26	22.27	22.28	22.29	22.30	22.31	22.32	22.33	22.34	22.35	22.36	22.37	22.38	22.39	22.40	22.41	22.42	22.43	22.44	22.45	22.46	22.47	22.48	22.49	22.50	22.51	22.52	22.53	22.54	22.55	22.56	22.57	22.58	22.59	22.60	22.61	22.62	22.63	22.64	22.65	22.66	22.67	22.68	22.69	22.70	22.71	22.72	22.73	22.74	22.75	22.76	22.77	22.78	22.79	22.80	22.81	22.82	22.83	22.84	22.85	22.86	22.87	22.88	22.89	22.90	22.91	22.92	22.93	22.94	22.95	22.96	22.97	22.98	22.99	23.00	23.01	23.02	23.03	23.04	23.05	23.06	23.07	23.08	23.09	23.10	23.11	23.12	23.13	23.14	23.15	23.16	23.17	23.18	23.19	23.20	23.21	23.22	23.23	23.24	23.25	23.26	23.27	23.28	23.29	23.30	23.31	23.32	23.33	23.34	23.35	23.36	23.37	23.38	23.39	23.40	23.41	23.42	23.43	23.44	23.45	23.46	23.47	23.48	23.49	23.50	23.51	23.52	23.53	23.54	23.55	23.56	23.57	23.58	23.59	23.60	23.61	23.62	23.63	23.64	23.65	23.66	23.67	23.68	23.69	23.70	23.71	23.72	23.73	23.74	23.75	23.76	23.77	23.78	23.79	23.80	23.81	23.82	23.83	23.84	23.85	23.86	23.87	23.88	23.89	23.90	23.91	23.92	23.93	23.94	23.95	23.96	23.97	23.98	23.99	24.00	24.01	24.02	24.03	24.04	24.05	24.06	24.07	24.08	24.09	24.10	24.11	24.12	24.13	24.14	24.15	24.16	24.17	24.18	24.19	24.20	24.21	24.22	24.23	24.24	24.25	24.26	24.27	24.28	24.29	24.30	24.31	24.32	24.33	24.34	24.35	24.36	24.37	24.38	24.39	24.40	24.41	24.42	24.43	24.44	24.45	24.46	24.47	24.48	24.49	24.50	24.51	24.52	24.53	24.54	24.55
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SECRET

CATEGORY: CHEMICAL AND PETROLEUM EQUIPMENT

SECRET 10.

CURRENT I/L LISTINGS			PROPOSED REVISION OF I/L LISTINGS		
I/L NO.	DESCRIPTIONS	ACTION	REMOVED I/L NO.	NEW I/L NO.	DESCRIPTIONS
3124	Cast iron shafts for pryvies reactors.	Delete.			
3132	Vacuum pumps, n.e.s., all types, designed to produce a vacuum of 0.1 mm of mercury pressure absolute or less; and specially designed parts.	Retain and combine with part of C-132 to form new which item 2101.		2101	3132 *2101 - Vacuum pump, mechanical and ejector, n.e.s., which (a) are designed to produce a vacuum of 50 mm of mercury pressure absolute or less; (b) specific of vacuum produced, are characterized of or less than 100 correlation-resistant material. (Order - G, D - none)
3142	Pipe and tubing made of or lined with polyethylene.	Retain and expand in combination with items 3120 and C-113 to form new which item 2115.			
3154	Welded or seamless steel pipe of 24 inches (61 cm) outside diameter or less, conforming with API specifications for line pipe.	Delete.			
New Item				2110	C-106 2110 - Vacuum freeze-drying equipment as follows: (a) complete installation; (b) specialized parts as follows: (1) centrifugal vacuum pump; (2) vacuum ejectors. (Order - G, D - none)

* signifies modified or new definition

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*Signifies modified or new definition.

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CATEGORY: ELECTRICAL AND POWER GENERATING EQUIPMENT

SECRET 12.

I/L NO.	CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
	DEFINITIONS	ACTION	REBARG	DATE	BY	SOURCE
					ITEM NO.	ITEM NO.
3202	Electric motors for underwater cutting by the arc-oxygen process.	Delete				
3256	Diesel engines, n.e.s., as follows: (a) 300 to 800 hp with rotary speeds of 600 rpm or over; (b) 800 hp or over, with rotary speeds of 400 rpm or over; (c) 1,500 hp or over, with rotary speeds of 200 rpm up to but not including 400 rpm.	Delete				
3265	Electric motors, n.e.s., of 500 hp up to but not including 5,000 hp; and automatic and semi-automatic equipment for starting, stopping, reversing and speed control for these motors.	Rebate and combine with items 2265 and part of 2266 to form new batch item 2205.				

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CATEGORY: GENERAL INDUSTRIAL EQUIPMENT

SECRET 13.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	DEBARO NO.	WATER NO.	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
1305	Metal rolling mills, all types, and controls therefor.				1301	1305	1301 - Metal rolling mills, all types and controls therefor. (Criteria - b, c; D - a, b, c, d, e)
	Reich as new embargo item 1301. While recognizing the high strategic importance of metal rolling mills, it is felt that revision of the definition is desirable and desirable for the purpose of identifying a group of equipment which is necessary and has already been requested. It is believed that a modification of the definition can be justified to delete unimportant types and to include the remainder of the equipment for which high technology types, high pressure alloy types, and the Watch List (most important varieties including normal types of equipment for primary and rough rolling stages).						
1321	Tractors, wheel drive, 100 hp or over.	Reich as part (a) of new proposed embargo item 1420.			1420	1321	*1420 - Prime movers and other vehicles, the following: (a) tractors, wheel or tracklaying types, excluding truck tractors, of 100 hp or over; (b) trucks and truck tractors (benders) of 135 hp or over, or with multiple axle drive in combination with 100 hp or over; (c) both front and rear wheel drive; (d) automotive vehicles of less than 70 hp with front and rear wheel drive; (e) chassis, engines and specially designed parts for the above equipment. *1321 - Tractors, wheel or tracklaying types, excluding truck tractors, of 100 hp or over. (Criteria - a, b, c; D - a, b, c, d)
1322	Soil compacting equipment, as follows: (a) soil compactors with pneumatic tired wheels, tireless types, of 20,000 lbs. or (1) electric type or (2) diesel engine or (3) electric engine; (b) pneumatic tire rollers for soil compactors (whether or not mounted on the vehicle) of 16,000 x 21 lbs or over, and rated 36 ply or over.	Delete.					
1323	Excavating and moving equipment, as follows: (a) excavators; (b) power shovels; (c) cranes.	Reich and expand to form new embargo item 1305.			1305	1323	*1305 - Construction equipment, specially designed for airborne transport. (Criteria - a, b; D - b, c)
1350	Carbon black furnaces, controlled atmosphere types (intermittent or continuous).	Reich and expand to form new embargo item 1465.			1465	1350	*1465 - Carbon black furnaces, controlled atmosphere types (intermittent or continuous) and specially designed parts therefrom. (Criteria - b; D - a, b, c, d, e)
1353	Cable-making machinery specially designed for making multi-pair electric cables for telecommunications purposes, as follows: (a) machinery other than that covered by item 1354 for applying insulating material to conductors; (b) machinery for laying conductors together and/or for applying an insulating sheath, splicing, braid- ing to electric cables, sheathing, etc.; (c) machinery for laying up conductors, pairs, quads, etc., together to form the complete cable core or part thereof.	Reich to form new embargo item 1462.			1462	1353	*1462 - Cable-making machinery specially designed for making multi-pair electric cables for telecommunications purposes, as follows: (a) machinery other than that covered by item 1354 for applying insulating material to conductors; (b) machinery for laying conductors together and/or for applying an insulating sheath, splicing, braid- ing to electric cables, sheathing, etc.; (c) machinery for laying up conductors, pairs, quads, etc., together to form the complete cable core or part thereof. (Criteria - a, b, c; D - a, b, c) * Signifies new or modified definition.

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CATEGORY: GENERAL INDUSTRIAL EQUIPMENT

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14.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	PROPOSED	VALUE	NEW ITEM NO.	SHOWN ITEM NO.	DEFINITIONS
1354	Cable-sealing machinery specially designed for sealing coaxial cable, as follows: (a) machines for applying insulating tape to the inner conductor of air-spaced coaxial cable; (b) machines for applying metal strip or sheet to form the inner conductor of coaxial cable; (c) machines for forming, stranding, or assembling coaxial cable, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extruded dielectric on wires and cables.	Retain to form new embargo item 1565.	R		1564	1354	1564 - Cable-sealing machinery specially designed for sealing coaxial cable, as follows: (a) machines for applying insulating tape to the inner conductor of air-spaced coaxial cable; (b) machines for applying metal strip or sheet to form the inner conductor of coaxial cable; (c) machines for forming, stranding, or assembling coaxial cable, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extruded dielectric on wires and cables. (Criteria - a, b, c; ID - a, b, c, d, e)
1355	Radio-wave manufacturing machinery.	Retain and amend to form new embargo item 1560.	R		1560	1355	1560 - Equipment, n.e.c., specially designed for the production of components for and the assembly of electronic valves, transistors or crystal diodes. (Criteria - a, b, c; ID - a, b, c, d, e)
1380	Compressors and blowers as follows: (a) (1) turbo-compressors or blowers capable of operating with a compression ratio of 2:1 or more and capable of operating with a maximum internal air flow exceeding a Mach No. of 0.9; (2) turbo-compressors or blowers of axial flow type with a compression ratio of 2:1 or more and capable of operating with a maximum internal air flow exceeding a Mach No. 0.7; (b) compressors or blowers capable of an overall compression ratio of 2:1 or more coupled with a capacity of over 35,300 cu. ft. (1,000 cu. m) per minute, or capable of over 35,300 cu. ft. (1,000 cu. m) per minute; (c) compressors or blowers capable of handling a mass flow of over 2,500 lbs. (1,134 kg) per minute and designed for operating with intake above atmospheric pressure.	Retain to form new embargo item 1310.	R		1310	1380	1310 - Compressors and blowers as follows: (a) (1) turbo-compressors or blowers capable of operating with a compression ratio of 2:1 or more and capable of operating with a maximum internal air flow exceeding a Mach No. of 0.9; (2) turbo-compressors or blowers of axial flow type with a compression ratio of 2:1 or more and capable of operating with a maximum internal air flow exceeding a Mach No. 0.7; (b) compressors or blowers capable of an overall compression ratio of 2:1 or more coupled with a capacity of over 124,000 cu. ft. (3,500 cu. m) per minute, or capable of over 124,000 cu. ft. (3,500 cu. m) per minute, or capable of over 35,300 cu. ft. (1,000 cu. m) per minute; (c) compressors or blowers capable of handling a mass flow of over 2,500 lbs. (1,134 kg) per minute and designed for operating with intake above atmospheric pressure. (Criteria - a, b, c; ID - b, c)
1385	Diamond suitable for industrial use, including splines and borers.	Retain to form new embargo item 1070.	R		1070	1385	1070 - Diamond suitable for industrial use, including splines and borers. (Notes: Interpreted to include industrial diamonds, dust and powder. Also interpreted to include rough cuttable diamond suitable either for gem stones or industrial diamonds.) (Criteria - c; ID - c)
1386	Diamond wire grinding dies, diamond dressing, diamond boring and turning tools, and diamond core drill bits.	Retain to form new embargo item 1075.	R		1075	1386	1075 - Diamond wire grinding dies, diamond dressing, diamond boring and turning tools and diamond core drill bits. (Criteria - c; ID - none)
1387	Diamond grinding wheels, sticks, bones and lugs.	Retain to form new embargo item 1080.	R		1080	1387	1080 - Diamond grinding wheels, sticks, bones and lugs. (Criteria - c; ID - c)
2568	Electronic automatic controlling units, whether or not designed to regulate flow by continuous action as a function of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AO or DC voltage produced by a measuring unit in the process stream. (Notes: "Controlling unit" means the unit comprising those elements which apply control action to the regulating unit in response to a signal from the measuring unit (by using an electronic feed back stabilized amplifier) the desired value with the value of the controlled condition as indicated by the measuring unit.)	Retain as new embargo item 1315.	R		1315	2568	1315 - Electronic automatic controlling units, whether or not designed to regulate flow by continuous action as a function of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AO or DC voltage produced by a measuring unit in the process stream. (Notes: "Controlling unit" means the unit comprising those elements which apply control action to the regulating unit in response to a signal from the measuring unit (by using an electronic feed back stabilized amplifier) the desired value with the value of the controlled condition as indicated by the measuring unit.) (Criteria - b, c; ID - a, b, c, d, e)

* Signifies new or modified definition.

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CATEGORY: CRITICAL INDUSTRIAL EQUIPMENT

SECRET 15.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	ORGANIZED	DATE	NO.	STATUS	NO.	DEFINITIONS
2580	Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a resistance thermometer element and a glass electrode of 250 mm high or higher at 250°C, designed for use with amplifiers covered by subitem (b); (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10-12 amperes.	Retain as new watch item 2301.	N	2301	2580	2301 - Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a resistance thermometer element and a glass electrode of 250 mm high or higher at 250°C, designed for use with amplifiers covered by subitem (b); (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10-12 amperes. (Criteria - c; D - b,c)		
3302	Casting equipment, as follows: (a) dis-casting and centrifugal casting machines (except special artillery casting machines as covered by item 1066); (b) equipment or plants for continuous casting of metals into partially-processed mill product forms.	Retain, except for video-casting machines to form new watch item 2305.	N	2305	3302	2305 - Casting equipment, as follows: (a) dis-casting machines, whether or not specially designed parts and controls therefor (except special artillery casting machines covered by item 1066); (b) equipment or plants for continuous casting of metals into partially-processed mill product forms. (Criteria - b,c; D - b,b,c,d,e)		
3303	Power-operated excavators, abradors of the excavator type, and cranes (except those covered by item 1221).	Retain mobile types to form new watch item 2310. Retain remaining coverings.	N	2310	3303	2310 - Power operated cranes, excavators, and excavator shovels, whether or not specially designed parts and controls therefor (except those covered by item 1221). (Criteria - b,c; D - b,c)		
New Item		A new watch item 2315 was developed to cover better types of lift trucks.	N	2315	4220	2315 - Fork lift and platform lift trucks with load capacity greater than 3000 lbs. or lift capacity in excess of 6000 lbs. (Criteria - c; D; none)		
New Item		A new watch item 2320 was developed to cover more productive types of concrete mixers and cement plants, stationary or mobile, for processing 90 tons or more of rock or ore per hour, the following: (1) concrete mixers or plants for processing; (2) ball mills for grinding or pulverizing; (3) aggregate crushing, screening and washing plants.	N	2320	4220	2320 - Crushing and mixing equipment, as follows: (a) concrete mixer, stationary or mobile, of 1 cu. yd. batch capacity or larger; (b) equipment, stationary or mobile, for processing 90 tons or more of rock or ore per hour, the following: (1) concrete mixers or plants for processing; (2) ball mills for grinding or pulverizing; (3) aggregate crushing, screening and washing plants. (Criteria - b,c; D - b,c)		
New Item		A new watch item 2325 was developed to reflect increased use of the motor-driven drive used for underground mining equipment.	N	2325	4225	2325 - Underground mining and transport equipment, as follows: (a) drilling, cutting and/or loading equipment as follows: (1) continuous cutters and unit loading equipment; (2) cutting, crushing and grinding; (3) continuous cutting and grinding; (4) mechanical self-loading loaders; (5) specially designed parts and components for the above; (b) self-propelled underground tractors, haulage and rubber-tired types, specially designed as follows: (1) for hauling of minerals, rock, equipment or supplies, and/or (2) as carriers for mounting of the following auxiliary underground mining equipment (whether or not mounted with such equipment): mills, crusher sets, rock crushers, rock crushers, compressors, conveyors. (Criteria - b,c; D - b,c)		

* Signifies new or modified definition.

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CITIZEN, TRANSPORTATION, DEFENSE

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17.

1/ I. Principles on Incorporation of Objectively Proven and Controlled Items into Vessels Being Sold to the Ship-Soviet Bloc.
With respect to the construction of new ships for the Ship-Soviet Bloc and the sale or fitting out of second-hand ships for sale to the Ship-Soviet Bloc, member government should take such steps as may be necessary for:

(1) Avoid the incorporation of any of the following features:

- (a) Special strengthening or construction to facilitate fitting of weapons or warlike equipment;
- (b) Fitting of protective armor or any defensive structures;
- (c) Preparation for the installation of damaging or demoralizing equipment;
- (d) Abnormal fuel capacity;
- (e) Abnormal electrical generating capacity.

(2) Avoid the installation of weapons list items and to remove them before sale if already installed.

(3) Avoid the installation of the following list I items and to the maximum extent possible to arrange their removal before sale if already installed:

- (a) Mines (minicore) suitable for harbor defense purposes and minesweeping. (IL 140);
- (b) Minesweeping equipment (minicore) (IL 145);
- (c) Minesweeping equipment (minicore) (IL 145);
- (d) Minesweeping equipment (minicore) (IL 145);
- (e) Minesweeping equipment (minicore) (IL 145);
- (f) Minesweeping equipment (minicore) (IL 145);
- (g) Minesweeping equipment (minicore) (IL 145);
- (h) Minesweeping equipment (minicore) (IL 145);
- (i) Minesweeping equipment (minicore) (IL 145);
- (j) Minesweeping equipment (minicore) (IL 145);
- (k) Minesweeping equipment (minicore) (IL 145);
- (l) Minesweeping equipment (minicore) (IL 145);
- (m) Minesweeping equipment (minicore) (IL 145);
- (n) Minesweeping equipment (minicore) (IL 145);
- (o) Minesweeping equipment (minicore) (IL 145);
- (p) Minesweeping equipment (minicore) (IL 145);
- (q) Minesweeping equipment (minicore) (IL 145);
- (r) Minesweeping equipment (minicore) (IL 145);
- (s) Minesweeping equipment (minicore) (IL 145);
- (t) Minesweeping equipment (minicore) (IL 145);
- (u) Minesweeping equipment (minicore) (IL 145);
- (v) Minesweeping equipment (minicore) (IL 145);
- (w) Minesweeping equipment (minicore) (IL 145);
- (x) Minesweeping equipment (minicore) (IL 145);
- (y) Minesweeping equipment (minicore) (IL 145);
- (z) Minesweeping equipment (minicore) (IL 145);

(4) Submarine, wherever possible, have stealth items in place at the following list I items:

- (a) Diesel engines (types described in IL 120);
- (b) Electric motors (types described in IL 120);

II. Completion of New Ships.

Work which contributes significantly to the completion of a new ship for the Ship-Soviet Bloc should be governed by the same rules as the construction of a complete ship for the bloc, i.e., the completion of list I ships should be prohibited and that of which list I ships should be treated under the provisions of the bloc list.

III. Repairs and Alterations to Vessels Owned by the Ship-Soviet Bloc.

(1) Any work which would lead to transferring a vessel, or part of a vessel, into a vessel appearing on list I or the weapons list should be prohibited.

(2) All repairs or alterations entailing the installation or replacement of any part of equipment appearing on list I or the weapons list, or resulting in the addition of any of the special features listed in the weapons list, should be prohibited.

(3) In any case where paragraph III (2) shows conflicts with the results of classification societies or international treaties, conventions or usages, it is understood that exceptions to the foregoing will be necessary. When possible the Committee will be informed of such exceptions.

IV. Prohibition on Bare-boat Chartering to the Ship-Soviet Bloc.

(1) The objectives of the controls on the sale of vessels should not be frustrated by bare-boat chartering.

(2) Accordingly, it is agreed to take such steps as may be possible to prevent the chartering of any warlike type vessels under bare-boat arrangements and which list type vessels under such arrangements to an extent which would defeat the controls on such vessels.

(3) In permitting bare-boat chartering to a Ship-Soviet Bloc country, governments should bear in mind that an operation of this nature might have the same disadvantages, from the strategic point of view, as the sale of a vessel.

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CATEGORY: TRANSMITTER EQUIPMENT

18.

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CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTED	REASON	WATCH	NEW SOURCE ITEM NO. OLD SOURCE ITEM NO.
1417	Other vessels, as follows: (a) ships designed to accommodate 200 or more passengers; (b) cargo ships, i.e., sea-going cargo or passenger ships under 1,000 gross registered tons; (c) ships with any of the following characteristics: (1) low and/or stern unloading arrangements including doors, ramps, and trunnion or other devices; (2) special design or facilities to permit launching or landing of aircraft; (3) lifting gear over 50 tons capacity; (4) deck or hull strengthening for weapons or heavy military equipment on or under deck; (5) any arrangement for outfitting or outfitting of ships for use as hospital ships; (6) electrical generating capacity and/or fuel capacity in abnormal excess of the normal needs of the vessel; (7) strengthening against ice beyond the requirements of Lloyd's or other free world classification societies; (8) any special design or facilities for use as a hospital ship or other items 1410, 1430, 1435, 1485 (except the types specified in Interpretative Note No. 5) 1502, 1509, 1510.	Retain most of this item in combination with items 1401, 1405, 1415, 2415(a) and part of 1416 to form new embargo item 1401. Retain part in combination with part of item 1415 to form new watch item 1405.			1405 1430 1417 1415
1425	Batteries (ammonia).	Delete.			
1430	Cables, as follows: (a) electric conducting cable, suitable for sweeping magnetic mines or for harbour defense; (b) wire rope, strand and cord, made of phosphor bronze or stainless steel suitable for aircraft.	Retain as new embargo item 1405.			1405 1430
1435	Minisweeping equipment (magnetic and acoustic).	Retain as new embargo item 1410.			1410 1435
1441	Marine steam boilers having a capacity to generate 11 lbs. of steam per sq ft (54 kgs per sq m) or more, of tubular heating surface per hour at pressures of 450 psi (32 kgs per sq cm) or more, and feed water heaters for such boilers.	Retain as new embargo item 1415.			1415 1441
1450	Automotive vehicles or chassis, including specially designed parts therefor, having both front and rear drives and possessing any of the following characteristics: (a) maximum approved load capacity in excess of 1200 lbs (500 kgs) and engine capacity in excess of 3000 cc; (b) water-proofed for operation when engine submerged in water; (c) radio suppression including fully screened high tension leads.	Retain most of coverage and combine with item 1420 and parts of items 1450 and 1450 to form new embargo item 1420. Delete remaining coverage.			1420 1450 1450 1450 1450 1450
					1420 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - b)
					1405 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - b)
					1410 - Minisweeping equipment (magnetic and acoustic). (Criteria - a; b; c; d - a; b; c; d)
					1415 - Marine steam boiler having a capacity to generate 11 lbs. of steam per sq ft (54 kgs per sq m) or more of tubular heating surface per hour at pressures of 450 psi (32 kgs per sq cm) or more, and feed water heaters for such boilers. (Criteria - a; b; c; d - a; b; c; d)
					1420 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - a; b; c; d)
					1430 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - a; b; c; d)
					1435 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - a; b; c; d)
					1441 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - a; b; c; d)
					1450 - Same going ships (including coasters but excluding fishing boats) as 1417. (Criteria - a; b; c; d - a; b; c; d)

* Signifies new or modified definition.

19.

PROPOSED REVISION OF I/L LISTINGS

* **Signifies new or modified definition**

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CAMOUFLED TRAINING EQUIPMENT

33 JUL 61 20.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	DETAILS	NEW I/L NO.	SOURCE	DEFINITIONS	
3416	Fishing vessels, as follows: (a) steel hulls and tuna vessels over 50 feet (15 m) but under 130 feet (40 m) in length between perpendiculars, either fitted with spouson platforms for line fishing or of the long line type; (b) cutters (large, self-propelled fishing vessels), (1) motor driven; (2) fitted with sailing equipment; (3) length between perpendiculars over 50 feet (15 m) but no over 81 ft. 3 in. (25 m); (4) beam not over 21 ft. 2 in. (6.4 m); (5) draught not over 8 ft. 1 in. (2.5 m); (6) speed not over 20 kts. (37 km/hr); (c) electric generators not over 5 MW. Delete.						
3420	Galvanized steel cable, rope, strand or cord, of all types with or without a textile or fibre core, containing one or more strands composed of three or more threads or wires, provided that any one such strand or wire has a tensile strength (breaking strength) of 180 kg per sq. mm or more. Delete.						
3441	Marine steam boilers, i.e., having a capacity to generate less than 11 lbs. of steam per sq. ft. (54 kg per sq. m) of tubular heating surface at pressures of 450 psi (32 kg per sq. cm) or more, and feed water heaters for such boilers. Delete.						
3470	Placed electric, diesel and electric locomotives, as follows: (a) general service (line) switching and industrial locomotives of a gauge greater than 4 ft. 8 in. (1.42 m) or with an individual axle load greater than 12 metric tons; (b) parts specially designed for the above locomotives. Delete.						
3472	Flat cars with a load capacity of 40 tons or over. Retain in combination with items 2479, 3476 and part of 3474 to form new item 2410.						
3474	Truck cars (wheeled) with a load capacity of over 10 tons. Retain four or more axle types in combination with items 2479, 3472 and 3476 to form new item 2410. Delete remaining coverage.						
3477	Railway rails of 70 lbs. or more per linear yard (35 kg or more per meter). Delete.						
3479	Well cars with a load capacity from 40 tons up to, but not including, 80 tons. Retain in combination with items 2479, 3472 and part of 3474 to form new item 2410.						
3481	Automatic (block type) railway signal systems (except CTC system covered by item 1481); and parts specially designed for such systems. Delete.						
				2415	3481	2415 - Automatic (block type) railway signal systems (except CTC system covered by item 1481); and parts specially designed for such systems. (Criteria - of m - b)	

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CATEGORY: UNCLASSIFIED; JMW PRODUCTION TYPING

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23.

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REASON	NEW I/L NO.	SOURCE I/L NO.
1517	Continued (5) rapid selection, by means of preadjusted tuning controls, between four or more radio frequency carrier frequencies in equipment designed for operation in commercial working vehicles; (6) between two or more radio frequency carrier frequencies in equipment not so designed; (7) modulation bandwidth greater than 4110 cycles at any carrier frequency within any of the bands 30 to 41 mc/s, 68 to 87.5 mc/s, 100 to 108 mc/s; (8) carrier output power, for static and transportable sets, greater than 100 watts, and for mobile sets greater than 25 watts, at any carrier frequency within any of the bands 30 to 41 mc/s, 68 to 87.5 mc/s, 100 to 108 mc/s; (9) special facilities for uses other than sound or vision link to main broadcast stations; (10) mobile communications equipment operating at carrier frequencies above 30 mc/s, or headquarter stations therefor, other than those types designed for and already in use in Western countries for normal commercial, civilian purposes; (11) transmitter, or transmitter drive oscillators, designed to produce a continuous wave of piezoelectric crystals, controlled by a lesser number of piezoelectric crystals. (Note: This covers equipment working below 30 mc/s as well as above. Sets incorporating crystal-resonating circuits are mainly required for military purposes (e.g., airborne and tank communications). The output frequency of the drive oscillator is not necessarily the same as that of the complete transmitter, but is often a sub-multiple of it, which is the reason for emitting lower frequency signals.) (a) components and sub-assemblies, including modulators and modulation amplifiers, specially designed for use in transmitters covered by sub-items (a), (b), (c) or (d) above.	Retain as new embargo item 1513	E	1513	1517
				1513 - Continued	
	(5) rapid selection, by means of preadjusted tuning controls, between four or more radio frequency carrier frequencies in equipment designed for operation in commercial working vehicles; (6) between two or more radio frequency carrier frequencies in equipment not so designed; (7) modulation bandwidth greater than 4110 cycles at any carrier frequency within any of the bands 30 to 41 mc/s, 68 to 87.5 mc/s, 100 to 108 mc/s; (8) carrier output power, for static and transportable sets, greater than 100 watts, and for mobile sets greater than 25 watts, at any carrier frequency within any of the bands 30 to 41 mc/s, 68 to 87.5 mc/s, 100 to 108 mc/s; (9) special facilities for uses other than sound or vision link to main broadcast stations; (10) mobile communications equipment operating at carrier frequencies above 30 mc/s, or headquarter stations therefor, other than those types designed for and already in use in Western countries for normal commercial, civilian purposes; (11) transmitter, or transmitter drive oscillators, designed to produce a continuous wave of piezoelectric crystals, controlled by a lesser number of piezoelectric crystals. (Note: This covers equipment working below 30 mc/s as well as above. Sets incorporating crystal-resonating circuits are mainly required for military purposes (e.g., airborne and tank communications). The output frequency of the drive oscillator is not necessarily the same as that of the complete transmitter, but is often a sub-multiple of it, which is the reason for emitting lower frequency signals.) (a) components and sub-assemblies, including modulators and modulation amplifiers, specially designed for use in transmitters covered by sub-items (a), (b), (c) or (d) above.				
1518	Telecontrol equipment suitable for controlling pilotless aircraft and guided weapons.	Retain as new embargo item 1514	E	1514	1518
				1514 - Telecontrol equipment suitable for controlling pilotless aircraft and guided weapons. (Criteria a, b, c; MD - a, b, c)	
1519	Telegraph equipment, as follows: (a) equipment (machines), mechanical, electro-mechanical, or electronic, used to translate the information contained in written or printed text into electrical waveforms suitable for transmission over electrical circuits at any speed greater than 200 words per minute or 150 bauds, whichever is the less; (b) equipment designed to accept such electrical waveforms and display the information from them in visible form; (c) specialized component parts and accessories for such equipment.	Retain as new embargo item 1515	E	1515	1519
				1515 - Telegraph equipment, as follows: (a) equipment (machines), mechanical, electro-mechanical, or electronic, used to translate the information contained in written or printed text into electrical waveforms suitable for transmission over electrical circuits at any speed greater than 200 words per minute or 150 bauds, whichever is the less; (b) equipment designed to accept such electrical waveforms and display the information from them in visible form; (c) specialized component parts and accessories for such equipment. (Criteria - a, b, c; MD - a, b, c)	
1520	Radio relay communications equipment and specialized components and sub-assemblies therefor.	Retain as new embargo item 1516	E	1516	1520
				1516 - Radio relay communications equipment and specialized components and sub-assemblies therefor. (Criteria - a, b, c; MD - a, b, c)	

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CATEGORY: ELECTRONICS AND ELECTRIC INSTRUMENTS

SECRET 23.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	DISCARD	NEW ITEM NO.	SCIENCE ITEM NO.	DEFINITIONS	
1521	Amplifiers, as follows: (a) designed to operate at frequencies in excess of 100 m/c/s; (b) tuned amplifiers having a bandwidth (defined as the band of frequencies over which the power amplification does not drop to less than one-half of its maximum value) which exceeds 5 m/c/s or 10% of the mean frequency, whichever is less. (The mean frequency is defined as the arithmetic mean between the frequencies at which the power amplification is one-half of its maximum value); (c) untuned amplifiers having a bandwidth, as defined in sub-item (b), above, which exceeds 5 m/c/s per second; (d) DC amplifiers having a noise level (referred to the input circuit) of 10-16 watts or less and/or a zero drift of 1 hour corresponding to a change in input power of 10-16 watts or less; (e) capable of a total power output in excess of 500 watts at any frequency or frequencies between 15 k/c/s per second and 200 k/c/s per second.	Retain as new embargo item 1517	E	1517	1521	Amplifiers, as follows: (a) designed to operate at frequencies in excess of 100 m/c/s; (b) tuned amplifiers having a bandwidth (defined as the band of frequencies over which the power amplification does not drop to less than one-half of its maximum value) which exceeds 5 m/c/s or 10% of the mean frequency, whichever is less. (The mean frequency is defined as the arithmetic mean between the frequencies at which the power amplification is one-half of its maximum value); (c) untuned amplifiers having a bandwidth, as defined in sub-item (b), above, which exceeds 5 m/c/s per second; (d) DC amplifiers having a noise level (referred to the input circuit) of 10-16 watts or less and/or a zero drift of 1 hour corresponding to a change in input power of 10-16 watts or less; (e) capable of a total power output in excess of 500 watts at any frequency or frequencies between 15 k/c/s per second and 200 k/c/s per second.	1517 - Amplifiers, as follows: (a) designed to operate at frequencies in excess of 100 m/c/s; (b) tuned amplifiers having a bandwidth (defined as the band of frequencies over which the power amplification does not drop to less than one-half of its maximum value) which exceeds 5 m/c/s or 10% of the mean frequency, whichever is less. (The mean frequency is defined as the arithmetic mean between the frequencies at which the power amplification is one-half of its maximum value); (c) untuned amplifiers having a bandwidth, as defined in sub-item (b), above, which exceeds 5 m/c/s per second; (d) DC amplifiers having a noise level (referred to the input circuit) of 10-16 watts or less and/or a zero drift of 1 hour corresponding to a change in input power of 10-16 watts or less; (e) capable of a total power output in excess of 500 watts at any frequency or frequencies between 15 k/c/s per second and 200 k/c/s per second.
1523	Like communications transmission equipment as follows: (a) term unit and intermediate receiver or amplifier equipment designed to deliver energy or receive energy from the radio frequency band, or in a like communications system; (b) multi-channel telegraph terminal transmitting and receiving equipment; (c) specialized components, accessories and sub-assemblies for the above equipment.	Retain as new embargo item 1518	E	1518	1523	1528 - Like communications transmission equipment as follows: (a) term unit and intermediate receiver or amplifier equipment designed to deliver energy or receive energy from the radio frequency band, or in a like communications system; (b) multi-channel telegraph terminal transmitting and receiving equipment; (c) specialized components, accessories and sub-assemblies for the above equipment.	1528 - Like communications transmission equipment as follows: (a) term unit and intermediate receiver or amplifier equipment designed to deliver energy or receive energy from the radio frequency band, or in a like communications system; (b) multi-channel telegraph terminal transmitting and receiving equipment; (c) specialized components, accessories and sub-assemblies for the above equipment.
1524	Communications submarine cable of all types.	Retain as new embargo item 1520	E	1520	1524	1529 - Communications submarine cable of all types. (Criteria - a,b; TD - a,b,c)	1529 - Communications submarine cable of all types. (Criteria - a,b; TD - a,b,c)
1525	Coaxial type cables, single or multi-tube, as follows: (a) having an attenuation not exceeding 10 decibels per 100 feet at 100 m/c/s; (b) having an attenuation not exceeding 2 or 2.5 decibels, when terminated in their characteristic impedance at 5000 megacycles; (c) all air-spaced types; (d) all types with polyethylene, polyethylene or polytetrafluoroethylene dielectric.	Retain in combination with C-505 to form new embargo item 1521	E	1521	1525	1521 - Coaxial cable, single or multi-tube types. (Criteria - a,b,c; TD - a,b,c,d,e)	1521 - Coaxial cable, single or multi-tube types. (Criteria - a,b,c; TD - a,b,c,d,e)
1526	Communications cable of any type containing more than one pair of conductors and containing any conductor (single or stranded) exceeding 0.9 mm in diameter. (a) having an attenuation not exceeding 0.9 mm in diameter. (b) having an attenuation not exceeding 2 or 2.5 decibels, when terminated in their characteristic impedance at 5000 megacycles; (c) all air-spaced types; (d) all types with polyethylene, polyethylene or polytetrafluoroethylene dielectric.	Retain to form new embargo item 1523	E	1523	1526	1523 - Communications cable of any type containing more than one pair of conductors and containing any conductor (single or stranded) exceeding 0.9 mm in diameter. (a) having an attenuation not exceeding 0.9 mm in diameter. (b) having an attenuation not exceeding 2 or 2.5 decibels, when terminated in their characteristic impedance at 5000 megacycles; (c) all air-spaced types; (d) all types with polyethylene, polyethylene or polytetrafluoroethylene dielectric.	1523 - Communications cable of any type containing more than one pair of conductors and containing any conductor (single or stranded) exceeding 0.9 mm in diameter. (a) having an attenuation not exceeding 0.9 mm in diameter. (b) having an attenuation not exceeding 2 or 2.5 decibels, when terminated in their characteristic impedance at 5000 megacycles; (c) all air-spaced types; (d) all types with polyethylene, polyethylene or polytetrafluoroethylene dielectric.
1529	Measuring instruments, as follows: (a) electrical instruments, as follows: (1) apparatus for measuring impedance, admittance, capacitance or inductance at frequencies in excess of 100 megacycles per second; (2) variable attenuators giving readings, accurate to less than plus or minus 5 percent of the indicated value expressed in decibels, for frequencies in excess of 1 megacycle per second or above; (3) wattmeters for measuring field strength at frequencies of 1 megacycle per second or above; (4) radio-frequency field strength measuring equipment; (5) frequency measuring equipment with an accuracy better than plus or minus 0.01 percent at frequencies over 30 kilocycles per second; (6) electronic stabilized power supplies delivering a DC output voltage which: (1) varies by less than 1 percent of any input voltage variation within plus or minus 20 percent of the nominal, and/or (2) varies by less than 0.1 percent of the maximum rated voltage between no load and maximum rated load;	Retain part (a)(1) and expand coverage to form new embargo item 1525.	E	1525	1529	1525 - Electrical instruments, the following: (a) those operating at frequencies exceeding 300 megacycles per second; (b) those specially designed for measuring or testing electronic items appearing on List 1. (Criteria - a,c; TD - a,b,c)	1525 - Electrical instruments, the following: (a) those operating at frequencies exceeding 300 megacycles per second; (b) those specially designed for measuring or testing electronic items appearing on List 1. (Criteria - a,c; TD - a,b,c)
		Retain part (c) to form new embargo item 1527.	E	1527	1529	1527 - Apparatus for automatically sorting electronic components in respect of their electrical characteristics - b,c; TD - a,b,c	1527 - Apparatus for automatically sorting electronic components in respect of their electrical characteristics - b,c; TD - a,b,c
		Retain part of (a)(1) to form new item 2501	N	2501	2501	2501 - Electrical instruments, n.e.s., operating at frequencies in excess of 100 megacycles per second. (Criteria - a,c; TD - a,b,c)	2501 - Electrical instruments, n.e.s., operating at frequencies in excess of 100 megacycles per second. (Criteria - a,c; TD - a,b,c)

*Signifies new or modified definition.

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CATEGORY: MICROMINIATURE PRODUCTION INSTRUMENTS

24. SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DESCRIPTION	ACTION	REASON	DATE	STATUS	REVISIONS
1529	Continued					
	(7) those operating at frequencies exceeding 300 megacycles per second; (b) resistors, inductors, or capacitors, fixed or variable, with a rated accuracy better than plus or minus 1 percent at 1 megacycle per second or any higher frequency; (c) apparatus for automatically sorting electronic components in respect of their electrical characteristics.					
1533	Radio spectrum analyzer (being apparatus capable of indicating the amplitude of frequency components of multi-frequency oscillations); and specialized parts of such analyzers.	Retain to form new embargo item 1530.		1528	1533	1528 - Radio spectrum non-ymers (being apparatus capable of indicating the amplitude-frequency components of multi-frequency oscillations); and specialized parts of such analyzers. (Criteria - a; TD - a,b,d)
1537	Special tuned circuits, as follows: (a) electromagnetic waveguides, resonant circuits, and radiations of a kind used at frequencies exceeding 600 megacycles per second; (b) articles or equipment incorporating, or designed to be connected to or to be incorporated in, any such waveguide, circuit, or radiator.	Retain to form new embargo item 1529		1529	1537	1529 - Special tuned circuits, as follows: (a) electromagnetic waveguides, resonant circuits, and radiations of a kind used at frequencies exceeding 600 megacycles per second; (b) articles or equipment incorporating, or designed to be connected to or to be incorporated in, any such waveguide, circuit, or radiator. (Criteria - a; TD - a,b,c)
1542	Deflection-yoke tubes, as follows: (a) with screen diameter longer than 1 1/2 inches; (b) with writing speeds of more than 3,000 kilowords per second; (c) with 2 or more electron guns.	Retain under (a) and (b) to form new embargo item 1530. Dual to part (c).		1540	1542	1540 - Deflection-yoke tubes, as follows: (a) with screen diameter longer than 1 1/2 inches; (b) with writing speeds of more than 3,000 kilowords per second. (Criteria - a,b; TD - a,b,c)
1544	Crystal diodes specially designed for use at frequencies of 250 or more megacycles per second; and specialized parts thereof.	Retain to form new embargo item 1532.		1532	1544	1532 - Crystal diodes specially designed for use at frequencies of 250 or more megacycles per second; and specialized parts thereof. (Criteria - a,b,c; TD - a,b,c,d,e)
1545	Transistors, with any number of electrodes, regardless of operating characteristics; and specialized parts thereof. (Note: A transistor is an electronic device incorporating a semi-conducting material, in which the current flowing between two electrodes is controlled by a third electrode. This item is limited to semi-conducting material of any material with three or more electrodes, which are used as amplifiers, oscillators, trigger devices, etc. in electronic circuits.)	Retain to form new embargo item 1534.		1534	1545	1534 - Transistors, with any number of electrodes, regardless of operating characteristics; and specialized parts thereof. (Note: A transistor is an electronic device incorporating a semi-conducting material, in which the current flowing between two electrodes is controlled by a third electrode. This item is limited to semi-conducting material of any material with three or more electrodes, which are used as amplifiers, oscillators, trigger devices, etc. in electronic circuits. (Criteria - a,b,c; TD - a,b,c,d,e)
1548	Photoelectric cells, as follows: (a) photoelectric cells with a peak sensitivity at a wave length longer than 12,000 Angstrom units; (b) photoconductors (photo-conductive cells) with a response time constant of one millisecond or less measured at the temperature at which the time constant is minimum. (Note: The time constant is defined as the time taken for the application of a light stimulus for the current to reach a value of 1-1/e times the final value, i.e., 63% of the final value.)	Retain to form new embargo item 1535 but revise wording of part (b) for clarity.		1535	1548	1535 - Photoelectric cells, as follows: (a) photoelectric cells with a peak sensitivity at a wave length longer than 12,000 Angstrom units; (b) photoconductors (photo-conductive cells) with a response time constant of one millisecond or less measured at the temperature at which the time constant is minimum. (Note: The time constant is defined as the time taken for the application of a light stimulus for the current to reach a value of 1-1/e times the final value, i.e., 63% of the final value.) (Criteria - a,b,c; TD - a,b,c,d)
1549	Photomultiplier tubes; and specialized parts thereof.	Retain to form new embargo item 1537		1537	1549	1537 - Photomultiplier tubes; and specialized parts thereof. (Criteria - a; TD - a,b,c)

*Signifies new or modified definition.

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CATEGORY: ELECTRONICS AND POSITION INSTRUMENTS

SECRET 25.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REASON	WORTH	NEW I/L NO.	SOURCE I/L NO.	DEFINITIONS
1533	X-ray tubes (Fluor discharge type).	Retain to form new embargo item 1539. E	1539	1533	1533	1533	X-ray tubes (Fluor discharge type).
1555	Image converters and electronic storage tubes of all kinds, (including commercial standard television broadcasting camera tubes and commercial standard X-ray amplifier tubes), but including vidicon tubes.	Retain to form new embargo item 1540	1540	1555	1540	1540	Image converters and electronic storage tubes of all kinds, (including commercial standard television broadcasting camera tubes and commercial standard X-ray amplifier tubes), but including vidicon tubes.
1558	Valves (tubes) electronic, and specialized parts, as follows: (a) valves whose output-input ratio at 300 megacycles per second is 50 percent or more of the output-input ratio at 20 megacycles per second when measured under the same operating voltages and load impedances; (b) those of a kind specially designed for use at frequencies of more than 250 megacycles per second; (c) triodes having a grid that can be passed through a circular hole 1/2" in diameter; (d) those designed to withstand accelerations greater than 450g (g-acceleration under gravity, i.e., 98, cm/sec/sec).	Retain and expand to form new embargo item 1541.	E	1541	1558	1541	Valves (tubes) electronic, and specialized parts, as follows: (a) valves whose output-input ratio at 300 megacycles per second is 50 percent or more of the output-input ratio at 20 megacycles per second when measured under the same operating voltages and load impedances; (b) those of a kind specially designed for use at frequencies of more than 250 megacycles per second; (c) triodes having a grid that can be passed through a circular hole 1/2" in diameter; (d) those designed to withstand accelerations greater than 450g (g-acceleration under gravity, i.e., 98, cm/sec/sec).
1559	Thyratron and Ignitron tubes as follows: (a) tubes rated for continuous operation with peak current and peak voltage exceeding 100 amperes and 900 volts at a pulse repetition frequency of 200 or more pulses per second; (b) hydrogen thyratrons of any rating. (Note: The following are definitions of "Thyratron" and "Ignitron": Thyratron - any hot cathode gas-filled tube containing three or more electrodes, in which anode current flow is initiated by a control electrode; Ignitron - any mercury pool (cold cathode) tube with three or more electrodes, in which discharge is initiated by an ignitor electrode.)	Retain to form new embargo item 1542.	E	1542	1559	1542	Thyratron and Ignitron tubes as follows: (a) tubes rated for continuous operation with peak current and peak voltage exceeding 100 amperes and 900 volts at a pulse repetition frequency of 200 or more pulses per second; (b) hydrogen thyratrons of any rating. (Note: The following are definitions of "Thyratron" and "Ignitron": Thyratron - any hot cathode gas-filled tube containing three or more electrodes, in which anode current flow is initiated by a control electrode; Ignitron - any mercury pool (cold cathode) tube with three or more electrodes, in which discharge is initiated by an ignitor electrode.)
1563	Balances, electronic, capable of detecting differences in weight smaller than 10 micrograms; and specialized parts Director.	Delete					
1565	Computers, electronic (except business-type calculating machines).	Retain and expand to form new embargo item 1543.	E	1543	1565	1543	Computers, electronic, (Criteria - a,b,c; TD - a,b,c)
1566	Equipment specially designed to produce electronic assemblies: (a) by depositing or printing on insulating panels (including plates and wafers), or otherwise forming in other component parts other than basic wiring; or (b) by automatically inserting and/or soldering components on insulating panels (including plates and wafers), to which wiring is applied by printing or other means.	Retain to form new embargo item 1544	E	1544	1566	1544	Equipment specially designed to produce electronic assemblies: (a) by depositing or printing on insulating panels (including plates and wafers), or otherwise forming in other component parts other than basic wiring; or (b) by automatically inserting and/or soldering components on insulating panels (including plates and wafers), to which wiring is applied by printing or other means.

*Signifies new or modified definition.

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CATEGORY: ELECTRONICS AND PRECISION INSTRUMENTS

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26.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	CHANGE WATCH	NEW I/L NO.	SOURCE NO.	DEFINITIONS	
1568	Control equipment, the following: (a) synchro, as follows: (1) control types (transmitters, differential transmitters, and transmitters) rated to have an electrical error of 18 minutes or less when tested by the proportional voltage method; (2) torque types; (3) transmitters and differential transmitters rated to have an electrical error of 18 minutes or less when tested by the proportional voltage method; (4) special instruments rated to have an accuracy of 1.5 degrees or less when tested by the dynamic method; (5) special instruments rated to have the same characteristics as gyroscopes in (1) and (2) above, such as Microsyns and Synchro-Tails, two phase/two-phase, and three-phase/two-phase types as follows: (1) with a rated electrical error of 0.5 degrees or less; (2) with a rated perpendicularity error between axes of 10 minutes or less; (3) with a rated null voltage of 10 millivolts or less per maximum volt output; (c) amplifiers, electronic or magnetic, designed for use with resolvers, the following: (1) isolation types; (2) summing types; (d) linear induction potentiometers, as follows: (1) with a rated linearity of 1 percent or less; (2) with a rated null voltage of 10 millivolts or less per maximum volt output; (e) induction rate generators, as follows: (1) with a rated linearity of 1 percent or less; (2) with a rated signal-to-noise ratio of 50/1 or greater; (3) all temperature-compensated or temperature-corrected types; (f) servo motors (gear-head or platin), as follows: (1) designed to operate from power sources of more than 300 cycles per second; (2) designed to have a torque-to-inertia ratio of 3,500 rmlans per second per second or greater; (g) potentiometers, as follows: (1) linear potentiometers with a rated linearity of 0.1 percent or less; (2) non-linear potentiometers with a rated conformity of 1 percent or less.	Retain to form new embargo item 1545.	E		1545	1568	1545 - Control equipment, the following: (a) synchro, as follows: (1) control types (transmitters, differential transmitters, and transmitters) rated to have an electrical error of 18 minutes or less when tested by the proportional voltage method; (2) torque types; (3) transmitters and differential transmitters rated to have an electrical error of 18 minutes or less when tested by the proportional voltage method; (4) special instruments rated to have an accuracy of 1.5 degrees or less when tested by the dynamic method; (5) special instruments rated to have the same characteristics as gyroscopes in (1) and (2) above, such as Microsyns and Synchro-Tails, two phase/two-phase, and three-phase/two-phase types as follows: (1) with a rated electrical error of 0.5 degrees or less; (2) with a rated perpendicularity error between axes of 10 minutes or less; (3) with a rated null voltage of 10 millivolts or less per maximum volt output; (c) amplifiers, electronic or magnetic, designed for use with resolvers, the following: (1) isolation types; (2) summing types; (d) linear induction potentiometers, as follows: (1) with a rated linearity of 1 percent or less; (2) with a rated null voltage of 10 millivolts or less per maximum volt output; (e) induction rate generators, as follows: (1) with a rated linearity of 1 percent or less; (2) with a rated signal-to-noise ratio of 50/1 or greater; (3) all temperature-compensated or temperature-corrected types; (f) servo motors (gear-head or platin), as follows: (1) designed to operate from power sources of more than 300 cycles per second; (2) designed to have a torque-to-inertia ratio of 3,500 rmlans per second per second or greater; (g) potentiometers, as follows: (1) linear potentiometers with a rated linearity of 0.1 percent or less; (2) non-linear potentiometers with a rated conformity of 1 percent or less.
1571	Magnetometers of the following types: (a) fluxgate; (b) electron beam sensing; (c) permeametric; (d) microleak; and specialized parts therefor.	Retain to form new embargo item 1546.	E	1546	1571	1546 - Magnetometers of the following types: (a) fluxgate; (b) electron beam sensing; (c) permeametric; (d) microleak; (Criteria a,b,c; TD - a,b,c,d,e)	
1572	Magnetic recorders and/or reproducers (other than those designed for voice or audio) and specialized recording media, parts and components therefor.	Retain to form new embargo item 1547.	E	1547	1572	1547 - Magnetic recorders and/or reproducers (other than those designed for voice or audio) and specialized recording media, parts and components therefor. (Criteria - a,b,c; TD - a,b,c)	

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CLASSIFICATION AND PROJECTION INSTRUMENTS

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

27.

I/L NO.	DEFINITIONS	ACTION	PARAGRAPH	WAVELENGTH	NO.	NO.	NO.	DEFINITIONS
1576	Centrifugal testing apparatus or equipment possessing any of the following characteristics: (a) driven by a motor or motors having a total rated horsepower greater than 400 h.p.; (b) capable of carrying a payload of 250 lb. or more; (c) capable of exerting a centrifugal acceleration of 8 or more "g" on a payload of 200 lb. or more.	Retain to form new paragraph 2	1569	1576	1596	1596	1596	Centrifugal testing apparatus or equipment possessing any of the following characteristics: (a) driven by a motor or motors having a total rated horsepower greater than 400 h.p.; (b) capable of carrying a payload of 250 lb. or more; (c) capable of exerting a centrifugal acceleration of 8 or more "g" on a payload of 200 lb. or more.
1577	Balloons, 1100 grams or more envelope weight deflated, capable of free flight but non-personal carrying.	Delete						
1579	Electron microscopes and the following parts therefrom: (a) electron gun; (b) electron objective projection and condenser lenses (magnetic or electrostatic). (magnetic or electrostatic).	Retain to form new paragraph 2505.	2505	1579	2505	2505	2505	Electron microscopes and the following parts therefrom: (a) electron gun; (b) electron objective projection and condenser lenses (magnetic or electrostatic). (Criteria - a, b, c; TD - a, b, c, d, e)
1584	Optical curve generators (gratings, surfaces, and polishes) and parts, capable of producing aspherical curves.	Delete						
1584	Oscilloscopes (cathode-ray) and specialized parts, as follows: (a) oscilloscopes possessing any of the following characteristics: (1) a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels); (2) a time base shorter than 0.05 microseconds per centimeter; (3) a time base shorter than 0.05 microseconds per centimeter; (4) amplifying or deflecting potentials in excess of 5000 volts; (b) specialized parts and accessories, as follows: (1) oscilloscope cameras; (2) amplifiers and pre-amplifiers with a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels).	Retain all but (a)(3) and (b) 2 (1) to form new paragraph 1550. Delete (a)(3) and (b)(1)	1550	1594	1594	1594	1594	Oscilloscopes (cathode-ray) and specialized parts, as follows: (a) oscilloscopes possessing any of the following characteristics: (1) a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels); (2) a time base shorter than 0.05 microseconds per centimeter; (3) a time base shorter than 0.05 microseconds per centimeter; (4) amplifying or deflecting potentials in excess of 5000 volts; (b) specialized parts and accessories, as follows: (1) oscilloscope cameras; (2) amplifiers and pre-amplifiers with a bandwidth greater than 5 megacycles (defined as the band of frequencies over which the loss does not exceed 3 decibels). (Criteria - a, b, c; TD - a, b, c)
1585	Photographic equipment, as follows: high speed cinematograph cameras, capable of recording at rates in excess of 250 frames per second.	Retain to form new paragraph 2310. (New developments may warrant change in this recommendation).	2310	1585	2310	2310	2310	Photographic equipment, as follows: high speed cinematograph cameras capable of recording at rates in excess of 250 frames per second. (Criteria - c; TD - a, b, c, d, e)
1587	Quartz crystals (worked or unworked) and plates, radio grade only.	Retain to form new paragraph 1582.	1582	1587	1582	1582	1582	Quartz crystals (worked or unworked) and plates, radio grade only. (Criteria - a, b, c; TD - a, b, c)
1589	Resistors, temperature-sensitive (of a kind used in bolometers or in electric lamps).	Delete						
1590	Photographic micro-film equipment capable of giving a flash of 1/100,000 second or shorter duration, or with a frequency of 200 flashes or more per second.	Retain to form new paragraph 2215.	2215	1590	2215	2215	2215	Photographic micro-film equipment, n.e.c., capable of giving a flash of 1/100,000 second or shorter duration, or with a frequency of 200 flashes or more per second. (Criteria - c; TD - a, b, c, d, e)

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CATEGORY: ELECTRONICS AND PRECISION INSTRUMENTS

28.
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CURRENT I/L LISTINGS

PROPOSED REVISOR OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REQ. NO.	WATCH NO.	REQ. ITR# NO.	REQ. ITR# NO.	DEFINITIONS
1591	Spectrograph, spectrometer, monochromator, and associated measuring equipment, as follows: (a) gratings (circular or polygonal, plane or concave); and gratings therefor; (b) prism types: (1) capable of a spectrum length of 20 cm between 5000 and 2000 Angstroms, having an effective total prism base of 35 mm or more in width; (2) infrared types, having an effective total prism base length over 2 inches (5 cm); (c) recording or controlling devices or other specialized equipment for the quantitative measurement of spectra or spectrographic records. (d) instruments limited to the use of replica plane gratings not exceeding 1 inch (2.5 cm) in ruled width, and spaces therefor; and (e) instruments of the "circle" type incapable of direct measuring to less than 5 seconds of arc.)	Retain parts (b), (c) and (d) to form new category item 1578. Delete remaining coverage.	2		1578	pl591	*1578 - Spectrograph, spectrometer, monochromator, and associated measuring equipment, as follows: (a) prism types: (1) capable of a spectrum length of 20 cm between 5000 and 2000 Angstroms, having an effective total prism base of 35 mm or more in width; (2) infrared types, having an effective total prism base length over 2 inches (5 cm); (c) recording or controlling devices or other specialized equipment for the quantitative measurement of spectra or spectrographic records. (d) instruments limited to the use of replica plane gratings not exceeding 1 inch (2.5 cm) in ruled width, and spaces therefor; and (e) instruments of the "circle" type incapable of direct measuring to less than 5 seconds of arc.) (Criteria - a, b, c)
1593	Measuring and counting equipment as follows: (a) equipment capable of measuring the intervals of one second or less with an error not exceeding 25 of the interval measured or an error of 20 microseconds, whichever is the greater; (b) equipment capable of counting at over 50,000 counts per second.	Retain now defined types to form new category item 1554. Delete remaining coverage to form new watch item 2520.	2		1554	pl593	*1554 - Measuring and counting equipment, n.e.s., as follows: (a) equipment capable of measuring the intervals of one second or less with an accuracy better than 1 microsecond; (b) equipment capable of counting at over 1,000,000 counts per second. (Criteria - a, b, c)
1594	Volts, as follows: (a) DC measuring voltmeters with full scale range of 1 millivolt or less with or without AC adapters; (b) AC moving coil voltmeters of laboratory type with full scale range of 0.01 millivolt or less. (Delete This category voltmeters specially designed for testing telephone lines.)	Delete.					
1596	X-ray diffraction and electron diffraction equipment and accessories as follows: (a) X-ray diffraction units; (b) X-ray tubes designed or intended for use in X-ray diffraction analysis; (c) powder cameras with heating element for temperatures of 500°C (923°F) or above; (d) single crystal oscillating and rotating X-ray goniometers of the "circle" type or plate holders; (e) electron diffraction units and specialized components therefor.	Retain to form new category item 1555. Delete.	2		1555	1596	*1555 - X-ray diffraction and electron diffraction equipment and accessories, as follows: (a) X-ray diffraction units; (b) X-ray tubes designed or intended for use in X-ray diffraction analysis; (c) powder cameras with heating element for temperatures of 500°C (923°F) or above; (d) single crystal oscillating and rotating X-ray goniometers with X-ray film or plate holders; (e) electron diffraction units and specialized components therefor. (Criteria - a, b, c)
1590	New optical glass in the mass (lumped or unlumped) as follows: (a) blocks, plates (slabs), prisms and similar shapes of optical glass with a unit weight of 1.0 kilograms or more; (b) rough-surfaced lenses with a unit weight of 0.5 kilograms or more; (c) rough-surfaced prisms with a unit weight of 0.5 kilograms or more.	Retain to form new category item 1556. Delete.	2		1556	1590	*1556 - New optical glass in the mass (lumped or unlumped) as follows: (a) blocks, plates (slabs), prisms and similar shapes of optical glass with a unit weight of 1.0 kilograms or more; (b) rough-surfaced lenses with a unit weight of 0.5 kilograms or more; (c) rough-surfaced prisms with a unit weight of 0.5 kilograms or more. (Criteria - a, b, c)

* Signifies new or modified definition.

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CATEGORY, ELECTRONICS AND PRECISION INSTRUMENTS

29. SECRET

CURRENT LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REPLACED NO.	WATCH NO.	EXT. SOURCE ITR NO.	DEFINITIONS
1920	Paper or synthetic film for dielectric use (condenser tissue), as follows: (a) synthetic film 0.0015 inches (.038 mm) or less in thickness; (b) coated paper 0.0015 inches (.038 mm) or less in thickness; (c) uncoated paper 0.0004 inches (.010 mm) or less in thickness.	Retain part (a) to form new embargo item 1598. Delete parts (b) and (c).	3	1598	1920	*1598 - Synthetic film for dielectric use 0.0017" (.038 mm) or less in thickness. (Criteria - a,b,c) ID - a,b,c)
1355	Radio-valve manufacturing machinery.	Retain and expand to form new embargo item 1560.	3	1560	1355	*1560 - Equipment, n.e.s., specially designed for the production of components for radio valves or crystal diodes. (Criteria - a,b,c) ID - a,b,c,d,e)
1353	Cable-welding machinery specially designed for making multi-pair electric cables for telecommunications purposes, as follows: (a) machinery other than that covered by item 1354 for applying insulating material to conductors; (b) machinery for laying conductors together and/or for applying and insulating, separating, bending, or identifying material thereto; (c) machinery for laying up conductors, plying, quads, etc., together to form the complete cable core or part thereof.	Retain to form new embargo item 1562.	3	1562	1353	*1562 - Cable-welding machinery specially designed for making multi-pair electric cables for telecommunications purposes, as follows: (a) machinery other than that covered by item 1354 for applying insulating material to conductors; (b) machinery for laying conductors together and/or for applying and insulating, separating, bending, or identifying material thereto; (c) machinery for laying up conductors, plying, quads, etc., together to form the complete cable core or part thereof. (Criteria - a,b,c) ID - a,b,c)
1354	Cable-welding machinery specially designed for making coaxial cables, as follows: (a) machines for applying insulating separators to the inner conductor of air-spaced coaxial cables; (b) machines for applying metal strip or sheet to form the outer conductor of coaxial electric cables; (c) machines for forming, stranding, or assembling coaxial cables, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extended dielectric on wires and cables.	Retain to form new embargo item 1564.	3	1564	1354	*1564 - Cable-welding machinery specially designed for making coaxial cables, as follows: (a) machines for applying insulating separators to the inner conductor of air-spaced coaxial electric cables; (b) machines for applying metal strip or sheet to form the outer conductor of coaxial electric cables; (c) machines for forming, stranding, or assembling coaxial cables, with or without conductors other than coaxial tubes; (d) automatic equipment for controlling the diameter or the eccentricity of extended dielectric on wires and cables. (Criteria - a,b,c) ID - a,b,c)
New Item		A new embargo item 1582 has been developed to reflect recent strategic applications.	3	1582	C-503	*1582 - Instruments recording apparatus, fully automatic. (Criteria - a,c) ID - a,b,c)
New Item		A new embargo item 1595 developed to reflect technology for purifying silicon and germanium.	3	1595		*1595 - Equipment and processes specially designed for purifying silicon and germanium. (Criteria - a,b,c) ID - a,b,c)
New Item		A new embargo item 1590 has been developed to cover high temperature components which also assist in covering many types of sub and micro wave tube components under such temperature conditions.	3	1590		*1590 - Electronic components, n.e.s., designed for continuous operation at temperatures of 200 degrees centigrade. (Criteria - a,b,c) ID - a,b,c)

* Signifies new or modified definition.

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CATWOM, ELECTRONICS AND TESTION INSTRUMENTS

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30.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REMARKS	WATCH	NEW ITC. NO.	SOURCE ITEM NO.	DEFINITIONS
2568	Electronic automatic controlling unit, whether or not including a measuring unit, designed to regulate flow by continuous action as a function of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AC or DC voltage produced by a measuring unit in the process stream. (Note: "Controlling unit" means the unit comprising those elements which apply control action to the regulating valve. It is distinguished from the measuring unit in relation to the device which produces the controlling signal by using an amplifier (by using an electronic feed back stabilized amplifier) the desired value with the value of the controlled condition as indicated by the measuring unit.)	Rebids to form new embargo item 1315.	3		1315	2568	1315 - Electronic automatic controlling unit, whether or not including a measuring unit, designed to regulate flow by continuous action as a function of one or more industrial process variables and capable of operating a regulating valve by pneumatic, hydraulic or electric means in response to an AC or DC voltage produced by a measuring unit in the process stream. (Note: "Controlling unit" means the unit comprising those elements which apply control action to the regulating valve. It is distinguished from the measuring unit in relation to the device which produces the controlling signal by using an amplifier (by using an electronic feed back stabilized amplifier) the desired value with the value of the controlled condition as indicated by the measuring unit.) (Criteria - 9, 9; 10 - 9, 9; 9, 9, 9)
2569	Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a reference temperature element and a glass electrode of 750 megohm or higher at 25°C, designed for use with amplifiers covered by sub-item (b); (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10-12 amperes.	Rebids to form new watch item 2501.	U		2501	2569	2501 - Continuous measuring pH equipment of the following types, whether separate or as components of other pH equipment: (a) electrode assemblies of the flow or immersion type which include a reference temperature element and a glass electrode of 750 megohm or higher at 25°C, designed for use with amplifiers covered by sub-item (b); (b) amplifiers which include automatic temperature compensation as a function of the amplifier and are designed to operate with an input current of 10-12 amperes. (Criteria - 9, 9; 10 - 9, 9)
3517	Radio transmitter, transmitter amplifiers and sub-assemblies thereof, n.e.s.	Rebids to form new watch item 2551.	U		2551	3517	2551 - Radio transmitter, transmitter amplifiers and sub-assemblies thereof, n.e.s. (Criteria - 9, 9; 10 - 9, 9; 9, 9, 9)
3522	Capacitors, as follows: (a) fixed capacitors in excess of 0.5 microfarad, having DC working voltage in excess of 1,000 volts, including those of paper, polyester, mica, ceramic, electrolytic or other dielectric material; (b) variable capacitors with a range of capacitance of 50 pF or more at 1,000 kilocycles; (c) all vacuum and gas capacitors; (d) ceramic dielectric capacitors, or parts thereof, having a declared tolerance of temperature coefficient of capacitance of plus or minus 20 percent of the nominal capacitance or less; (e) electrolytic capacitors; (f) tantalum electrolytic capacitors.	Rebids parts (e) and (f) and part of (c) to form new embargo item 1570.	E		1570	3522	*1570 - Capacitors, as follows: (a) all variable vacuum and gas capacitors; (b) polyester, mica, ceramic or other dielectric material capacitors; (c) tantalum electrolytic capacitors. (Criteria - 9, 9; 10 - 9, 9; 9)
3529	Measuring and testing equipment, n.e.s., rated for use at frequencies of 30 kilocycles and above. (Note: It is understood that no member government should export or re-export large quantities of these instruments to the Soviet bloc.)	Delete.					
1631	Isopropyl alcohol of all types and of whatever form, powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for sheet or strip, thickness of 0.003" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) resistance to solvents of 100 or over; (d) a composition capable of an energy product greater than 2,000 gauss/cm/sec, or containing more than 20 percent cobalt; (e) core loss of 0.5 watt per pound at 3 equals 13,000 gauss/cm/sec and 50 cycles per second or less. (Note: The definition of soliton (d) refers to values obtained using a properly heat-treated test bar.)	Rebids to form new embargo item 1574.	3		1574	1631	1574 - Isopropyl alcohol of all types and of whatever form, powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for sheet or strip, thickness of 0.003" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) resistance to solvents of 100 or over; (d) a composition capable of an energy product greater than 2,000 gauss/cm/sec, or containing more than 20 percent cobalt; (e) core loss of 0.5 watt per pound at 3 equals 13,000 gauss/cm/sec and 50 cycles per second or less. (Note: The definition of soliton (d) refers to values obtained using a properly heat-treated test bar.) (Criteria - 9, 9; 10 - 1000) * Significant new or modified definition.

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CLASSIFICATION AND RESTRICTED EQUIPMENT

SECRET 31.

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REMOVED I/L NO.	NEW I/L NO.	DEFINITIONS
3535	Reactors (made of materials covered by item 1631), n.e.s., as follows: (a) thermocouples (except power supply and power distribution types); (b) chokes and coils.	Retain to form new embargo item 1576.	1576	3535	1576 - Reactors (made of materials covered by item 1631), n.e.s., as follows: (a) thermocouples (except power supply and power distribution types); (b) chokes and coils. (Criteria - a; ID - 4, b, c)
3544	Valves (tubes), electronic, n.e.s., and diodes (and specialized parts thereof), as follows: (a) valves capable of continuous pulse distribution at 100 megacycles or more per second; (b) valves rated for operation at frequencies of 100 megacycles or more per second; (c) television camera tubes, standard commercial broadcast type only; (d) crystal diodes, incorporating germanium or silicon (silicon) of a kind designed to operate at frequencies below 250 megacycles. (Notes: To the extent practicable, exports of the above items will be limited to amounts normally required as replacements for equipment which the exporting country previously supplied to the Soviet Bloc.)	Retain parts (a) and (c) to form new watch item 2530. Delete parts (b) and (d).	2530	3544	2530 - Valves (tubes), electronic, n.e.s., and diodes (and specialized parts thereof), as follows: (a) valves capable of continuous pulse distribution at 100 megacycles or more per second; (b) valves rated for operation at frequencies of 100 megacycles or more per second; (c) television camera tubes, standard commercial broadcast type only; (d) crystal diodes, incorporating germanium or silicon (silicon) of a kind designed to operate at frequencies below 250 megacycles. (Notes: To the extent practicable, exports of the above items will be limited to amounts normally required as replacements for equipment which the exporting country previously supplied to the Soviet Bloc.) (Criteria - a; ID - 4, b, c)
New Item		A new watch item 2535 was developed to cover certain additional electronic communication equipment.	2535	pc-501	2535 - Telecommunication equipment, as follows: (a) electronic equipment, n.e.s. (b) radio communication receivers and subassemblies thereof, n.e.s. (except domestic radio receivers). (Criteria - a, c; ID - 4, b, c)
New Item		A new watch item 2540 was developed to reflect certain recent strategic applications.	2540	C-509	2540 - Radar and radio navigation equipment, including direction finders, n.e.s. (Criteria - a; ID - 4, b, c)
New Item		A new watch item 2545 was developed to reflect increased need of such equipment for missile guidance.	2545	pc-575	2545 - Precision measuring instruments, as follows: (a) precision theodolites having an accuracy of 1 second of arc or better by direct reading; (b) theodolites, tachometers and transit with a telescope magnification of 200 or higher and reading direct to 1 second of arc or better. (Criteria - c; ID - 4, b, c)

* Signifies new or modified definition.

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CURRENT METALS, MINERALS AND THEIR MANUFACTURES

SECRET 20.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REMARKS	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS	
1601	Anti-friction bearings (ball, roller, needle) and parts, as follows: (a) "special" bearings, as specified in Interpretative Note No. 2 (hereinafter "Note 2"); (b) steel alloy "normal" bearings of the following kinds, with inner-ring bore diameter below 10 mm (or, if without bore, below 12.7 mm outer diameter) or over 150 mm: (1) deep groove ball; (2) angular contact ball; (3) cylindrical roller; (4) spherical roller; (5) taper roller; (6) needle roller; (7) roller thrust types (spherical, cylindrical and taper); (8) bearing parts as follows: (a) needle rollers and balls (1) all steel alloy rings (except needle rollers) and balls (2) all steel alloy rings and balls (3) all steel alloy rings and balls of "normal" chrome steel, as described in Interpretative Note No. 2; (2) all steel alloy outer rings, inner rings, retainers, and sub-assemblies (except any such parts useable only for bearings covered by Item 2601).	Compare to modification with part of 2601 to cover new bearing item 1601 and new which item 2601.	E	1601	1601	1601 Anti-friction bearings and parts as follows: (a) "special" bearings as specified in Interpretative Note No. 2 (hereinafter "Note 2"); (b) steel alloy "normal" bearings of the following kinds, with inner-ring bore diameter below 20 mm or above 150 mm, the following: (1) deep groove ball; (2) angular contact ball; (3) cylindrical roller; (4) spherical roller; (5) taper roller; (6) needle roller; (7) roller thrust types (spherical, cylindrical and taper); (8) bearing parts as follows: (i) needle rollers and balls (1) all steel alloy rings (except needle rollers) and balls (2) all steel alloy rings and balls of "normal" chrome steel, as described in Interpretative Note No. 2; (ii) roller thrust types (spherical, cylindrical and taper); (iii) angular contact ball; (iv) all steel alloy outer rings, inner rings, retainers, and sub-assemblies (except any such parts useable only for bearings covered by (a) and (b) above. (Criteria - a,c; TD - none)	
1605	Gunshot powder						
1615	munitions components and materials, as follows: (a) brass and bronze fabrications for primer anvil, fabrications for bullet cups (gilding metal, clad steel), cartridge link, primer cap, shell rotating band; (b) rolled brass cartridge strip (with 66 to 72 percent copper); (c) copper rotating bands for shells, and other copper munitions components; (d) gilding metal, clad steel; (e) rough steel forgings, steel, and alloy castings for gun and gun parts (this includes, but is not limited to, the following: artillery material, machine guns, automatic weapons and small arms).	Retain as new embargo item 1605. Should also consider transfer to munitions item.	E	1605	1615	1605 Munitions components and materials, as follows: (a) brass and bronze fabrications for primer anvil, fabrications for bullet cups (gilding metal, clad steel), cartridge link, primer cap, shell rotating band; (b) rolled brass cartridge strip (with 66 to 72 percent copper); (c) copper rotating bands for shells, and other copper munitions components; (d) gilding metal, clad steel; (e) rough steel forgings, steel, and alloy castings for gun and gun parts (this includes, but is not limited to, the following: artillery material, machine guns, automatic weapons and small arms). (Criteria - a,c; TD - none)	
1630	Scrap iron and steel						
1631	Magnetic materials of all types and of whatever form, shape, powder, strip, sheet, castings and blocks, if possessing one or more of the following characteristics: (a) for magnet or strip, thickness of 0.009" (0.075 mm) and less; (b) initial permeability 20,000 or over; (c) remanence 85% of maximum flux or over; (d) a composition capable of an energy product greater than 2,016 gauss/oersted, or containing more than 20 percent cobalt; (e) core loss of 0.5 watt per pound at 50 cycles per second or less. (NOTE: The definition of cobalt (d) refers to values obtained using a properly heat-treated test bar.)	Retain as new embargo item 1610	E	1610	1630	1610 Scrap iron and steel (Criteria - a; TD - none)	
1635	Alloys containing: (a) 66 or more molybdenum (but 3% or more molybdenum in any alloy containing more than 1% chromium); or (b) 66 or more cobalt; or (c) 0.25% or more columbium or tantalum; or (d) nickel-bearing steels, i.e., containing a total of 35% or more of alloying elements.	Retain as new embargo item 1620	E	1620	1635	1620 Alloys containing: (a) 66 or more molybdenum (but 3% or more molybdenum in any alloy containing more than 1% chromium); or (b) 66 or more cobalt; or (c) 0.25% or more columbium or tantalum; or (d) nickel-bearing steels, i.e., containing a total of 35% or more of alloying elements. (Criteria - a,c; TD - none)	

* Signifies new or modified definition.

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CATEGORY: METALS, MINERALS AND THEIR MANUFACTURES

SECRET 33.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REMARKS	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS	
1636	aluminum, as follows: (a) aluminum hard alloys used in aircraft construction, as follows: (1) cast forms (primary and secondary), including ingots, plates, blooms, slabs, billets, blocks, grain, granules, lumps, wrought bars, pellets, wire bars; (2) nonferrous forms, as follows: (1) wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing and grinding; (11) cast forms produced by casting in sand, die, metal or plaster molds; (3) scrap. (b) aluminum powder for sintering and sintered aluminum powder (SAP) products. (c) aluminum powders, n.e.s., SSGSD's parties and ground flasks. (d) hard alloys are to be interpreted as aluminum alloys where: (1) the average copper content is 1% or more irrespective of other elements; (2) the average copper content is less than 1% and the silicon content is .4% or more, or the aluminum content is 3.5% or more, or the magnesium content is 9.5% or more.)	Retain in combination with 2635(b) to form new embargo item 1636, to cover all items and products combination as well as aircraft.	E	1636	1636	*1636 Aluminum, as follows: (a) aluminum hard alloys used in aircraft, missile and other construction as follows: (1) cast forms (primary and secondary), including ingots, plates, blooms, slabs, billets, blocks, grain, granules, lumps, wrought bars, pellets, wire bars; (2) nonferrous forms, as follows: (1) wrought or worked materials fabricated by rolling, drawing, extruding, forging, impact extruding, pressing and grinding; (11) cast forms produced by casting in sand, die, metal or plaster molds; (3) scrap. (b) aluminum powder for sintering and sintered aluminum powder (SAP) products. (c) aluminum powders, n.e.s., SSGSD's parties and ground flasks. (d) scrap. (e) hard alloys are to be interpreted as aluminum alloys where: (1) the average copper content is 1% or more irrespective of other elements; (2) the average copper content is less than 1% and the silicon content is .4% or more, or the aluminum content is 3.5% or more, or the magnesium content is 9.5% or more.) (Criteria - a; TD - none)	
1648	Cobalt, as follows: (a) ores, residue and concentrates, including unrefined crystals; (b) cobalt-bearing scrap; (c) metal; (d) compounds, including: (1) paint driers; (2) cobalt organic artificial coloring matters; and (3) other paint pigments. (Notes: Paint driers, for this purpose, are regarded as being products, or preparations of such products, containing combined cobalt and other elements, whether or not they are produced in any way by reaction with one or more of the following: linseed oil, linseed oil fatty acids, colophony, tall oil, naphthenic acids, 2-hydroxynaphthoic acid.)	Retain as new embargo item 1630.	E	1630	1648	*1630 Cobalt, as follows: (a) ores, residue and concentrates, including unrefined crystals; (b) cobalt-bearing scrap; (c) metal; (d) compounds, including: (1) paint driers; (2) cobalt organic artificial coloring matters; and (3) other paint pigments. (Notes: Paint driers, for this purpose, are regarded as being products, or preparations of such products, containing combined cobalt with one or without other elements, whether or not they are produced in any way by reaction with one or more of the following: linseed oil, linseed oil fatty acids, colophony, tall oil, naphthenic acids, 2-hydroxynaphthoic acid.) (Criteria - a; TD - none)	
1649	Columbian (chromium) as follows: (a) ores and concentrates; (b) scrap; (c) metal and alloys (including ferro-columbian and ferro-columbian-ferrous).	Retain as new embargo item 1635.	E	1635	1649	*1635 Columbian (chromium) as follows: (a) ores and concentrates; (b) scrap; (c) metal and alloys (including ferro-columbian and ferro-columbian-ferrous).	
1650	Copper, as follows: (a) copper ores, residues, concentrates, regains, and wastes; (b) copper and copper alloy scrap and old metal; (c) copper and copper-base alloys in the form of nodules, cathodes, billets, blocks, blooms, cakes, ingots, ingot bars, pellets, pigs, slabs, slabs, sticks, wire bars, and other unwrought shapes; (d) copper and copper-base alloy semifinished products, as follows: sheets, strips, plates, rods (including wire rods and rolled wire), pipe and tubing.	Retain and expand in combination with 1635 to form new embargo item 1635, to cover all copper and copper-base alloy wire and cable.	E	1640	1650	*1640 Copper, as follows: (a) copper ores, residues, concentrates, regains, and wastes; (b) copper and copper alloy scrap and old metal; (c) copper and copper-base alloys in the form of nodules, cathodes, billets, blocks, blooms, cakes, ingots, ingot bars, pellets, pigs, slabs, slabs, sticks, wire bars, and other unwrought shapes; (d) copper and copper-base alloy semifinished products, as follows: sheets, strips, plates, rods (including wire rods and rolled wire), pipe and tubing; (e) copper and copper-base alloy wire and cable, in unwrought or finished product form, covered or uncovered. (Criteria - a; TD - none)	
1653	Germanium and germanium compounds	Retain as new embargo item 1645.	E	1645	1653	*1645 Germanium and germanium compounds. (Criteria - a; TD - none)	

* Signifies new or modified definition.

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CATEGORY: METALS, MINERALS AND TECH. MANUFACTURES

34.
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SECRET I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	EMBARGO	DATE ITEM NO.	DATE ITEM NO.	DEFINITIONS
1664	Magnum base alloys having a content of 0.4 percent or more of aluminum, or 1.5 percent or more of thorium, or 1 percent or more of rare earth metals (cerium, lanthanum, etc.), as follows: (a) ends forms (primary and secondary), including billets, blooms, ingots, rolled bars, slabs, sheets and crystals; (b) wrought or cast material fabricated by rolling, drawing, extruding, pressing and grinding; (c) cast material produced by casting in sand, die, metal or plaster molds.			1650	1664	Magnum base alloys having a content of 0.4 percent or more of aluminum, or 1.5 percent or more of thorium, or 1 percent or more of rare earth metals (cerium, lanthanum, etc.), as follows: (a) ends forms (primary and secondary), including billets, blooms, ingots, rolled bars, slabs, sheets and crystals; (b) wrought or cast material fabricated by rolling, drawing, extruding, pressing and grinding; (c) cast material produced by casting in sand, die, metal or plaster molds.
1655	Mercury metal.			1655	1655	Mercury metal. (Criteria - a, c) TD - none)
1658	Molybdenum, as follows: (a) ends forms (primary and secondary), including billets, blooms, ingots, rolled bars, slabs, sheets and crystals; (b) wrought or cast material fabricated by rolling, drawing, extruding, pressing and grinding; (c) cast material produced by casting in sand, die, metal or plaster molds.			1660	1658	Molybdenum, as follows: (a) ends forms (primary and secondary), including billets, blooms, ingots, rolled bars, slabs, sheets and crystals; (b) wrought or cast material fabricated by rolling, drawing, extruding, pressing and grinding; (c) cast material produced by casting in sand, die, metal or plaster molds.
1661	Nickel, as follows: (a) ends forms (primary and secondary), including billets, blooms, ingots, rolled bars, slabs, sheets and crystals; (b) wrought or cast material fabricated by rolling, drawing, extruding, pressing and grinding; (c) cast material produced by casting in sand, die, metal or plaster molds.			1670	1661	Nickel, as follows: (a) ends forms (primary and secondary), including billets, blooms, ingots, rolled bars, slabs, sheets and crystals; (b) wrought or cast material fabricated by rolling, drawing, extruding, pressing and grinding; (c) cast material produced by casting in sand, die, metal or plaster molds.
1668	Tungsten wire and filament, coated or uncoated. (Note: The Committee will favorably consider, as accidents of definition, proposals to export wire which can be shown to have no strategic applications.)			1675	1668	Tungsten wire and filament, coated or uncoated. (Note: The Committee will favorably consider, as accidents of definition, proposals to export wire which can be shown to have no strategic applications.) (Criteria - a, c) TD - none)

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CATEGORY: METALS, MINERALS AND THEIR MANUFACTURES

35.

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CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	E. RASCO	REVISION NO.	SCORE	DEFINITIONS	
1670	Tantalum, as follows: (a) ores and concentrates; (b) metal, and ferro-tantalum; (c) compounds; (d) seamless pipe and tubing.	Retain as new embargo item 1680.	E	1680	1670	Tantalum, as follows: (a) ores and concentrates; (b) metal, and ferro-tantalum; (c) compounds; (d) seamless pipe and tubing. (Criteria - a, c; TD - c, d, e)	
1671	Titanium metal (including sponge) and titanium metal alloys (excluding ferro-titanium), as follows: (a) in all wrought forms; (b) in all semi-fabricated forms; (c) scrap.	Retain as new embargo item 1685.	E	1685	1671	Titanium metal (including sponge) and titanium metal alloys (excluding ferro-titanium), as follows: (a) in all wrought forms; (b) in all semi-fabricated forms; (c) scrap. (Criteria - a, c; TD - c, d, e)	
2601	Anti-friction bearings (ball, roller, needle) and parts, as follows: (a) steel alloy/normal bearings of the following kinds, regardless of dimensions: (1) double-row ball; (2) single-row ball; (3) separable ball; (4) ball thrust; (b) all other steel alloy "normal" bearings with inner-ring bore diameter from 10 mm (1.7 mm outer diameter, if without bore) up to six including 15 mm; (c) steel alloy bearing parts as follows: (1) shaft only for ball bearings covered by items 2601, 2602, and 2603; (2) roller bearings covered by items 2604, 2605, and 2606; (3) roller rings, separator rings, and sub-assemblies.	Retain part (b) in combination with part of 1601 to form new embargo item 1601 and new item 2601. Delete remaining coverage.	W	2601	1601 2601	*2601 Anti-friction steel alloy bearings and parts, n.e.s., as follows: (a) roller ball with inner ring bore diameter of (1) 25 mm through 120 mm and (2) less than 25 mm or greater than 120 mm; (b) deep groove ball with inner bore diameter of (1) 20 mm through 80 mm and (2) over 80 mm through 150 mm; (c) with inner bore diameter of 20 mm through 150 mm, the following: (1) tapered roller; (2) tapered roller; (3) needle roller; (4) roller bearing (apical or taper). (e) all steel alloy outer rings, inner rings, retainers, balls, rollers (except needle rollers) and sub-assemblies usable only for the bearings covered in (a) through (d) above. (Criteria - a, e; TD - a, b, c)	
2635	Aluminum metal and alloys, n.e.s., as follows: (a) crude forms (primary and secondary), including ingots, pigs, blooms, etc.; (b) alloys, blooms, castings, granules, lumps, molten in 1 day, wire bars, (EXCLUDE hard alloys covered by item 1625).	Retain part (b) in combination with part of 1601 to form new embargo item 1601. Retain part (a) to form new item 1601.	W	2635	2635	*2635 Aluminum metal and alloys, n.e.s., crude forms (primary and secondary), including ingots, pigs, blooms, etc.; (b) alloys, blooms, castings, granules, lumps, molten in 1 day, wire bars, (EXCLUDE hard alloys covered by item 1625). (Criteria - a, e; TD - none)	
2636	Nickel-bearing alloy steels, n.e.s., as follows: (1) nickel-bearing alloy steels (other than in the forms specified in sub-item (b)) having a nickel content of 6 percent or more and containing a combined nickel-chromium content of 22 percent or more; (b) nickel-bearing alloy steel tubing of the non-stabilized type, having a nickel content of 6 percent or more and containing a combined nickel-chromium content of 22 percent or more; (c) nickel-bearing alloy steel tubing of the non-stabilized type, having a nickel content of 6 percent or more, with both of the following characteristics: (1) outside diameter of 20 mm or more but not exceeding 57 mm and (11) wall thickness of 2 mm or more but not exceeding 2.5 mm. (Note: Non-stabilized nickel-bearing alloy steel tubing means such tubing which does not contain columbium, tantalum or titanium.)	Retain and expand in combination with E part of 2635 to form new embargo item 1690. Adequacy of "precipitation hardened" specification is being checked.	W	1690	2636 2636	*1690 Nickel-bearing alloy steels, n.e.s., as follows: (a) nickel-bearing alloy steels (other than in the forms specified in sub-item (b)) having a nickel content of 6 percent or more and containing a combined nickel-chromium content of 22 percent or more, or precipitated and 17 percent chromium; (b) nickel-bearing alloy steel tubing of the non-stabilized type, having a nickel content of 6 percent or more, with both of the following characteristics: (1) outside diameter of 20 mm or more but not exceeding 57 mm and (11) wall thickness of 2 mm or more but not exceeding 2.5 mm. (Note: Non-stabilized nickel-bearing alloy steel tubing means such tubing which does not contain columbium, tantalum or titanium.) (Criteria - a, b, c; TD - c, d)	
2671	Titanium carbide	Delete					

* Significant new or modified definition

SECRET

CATEGORY: METALS, MINERALS AND THEIR MANUFACTURES

SECRET 36.

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	REASON	DATE	DEFINITIONS
			NEW ITEM NO.	SOURCE ITEM NO.	
3640	Anti-friction bearings parts as follows: needle rollers	Delete			
3636	Alloys, as follows: (a) alloys containing 2 percent or more, but less than 6 percent molybdenum, (except those covered by item 1630(a)); (b) alloys containing alloy steels, n.e.s., containing 4 percent or more nickel.	Retain part in combination with item 2636 to form new embargo item 2636A, containing coverage to form new with item 2610.	■	2610	3636
					*2610 Alloys, as follows: (a) alloys containing 2 percent or more, but less than 6 percent molybdenum, (except those covered by item 1630(a)); (b) nickel-bearing alloy steels, n.e.s., containing 4 percent or more nickel. (Criteria - ej TD - none)
3640	Pero-chrome (low carbon) containing a maximum of 0.09 percent arsenic.	Delete			
3641	Bismuth: metal and alloys	Retain as new with item 2615.	■	2615	3641
					2615 Bismuth: metal and alloys. (Criteria - ej TD - none)
3650	Lead, as follows: (a) scrap, including, hollow and waste; (b) lead and lead base alloy (including antimonial lead), as follows: (1) metal in the form of pigs, slabs, shot, bars, and other primary shapes; (2) secondary lead in pig and slab form; (3) scrap and old metal.	Delete			
3652	Copper and copper-base alloy semifinished and finished products, as follows: (a) wire (uncovered); (b) cable (uncovered); (c) insulated wire (single strand conductor), of a diameter of 0.010 inch (0.25 mm) or less.	Retain and expand in combination with item 1650 to form new embargo item 1650A.			
3654	Magnesium and magnesium base alloys (except those covered by item 1654), as follows: (a) magnesium and magnesium base alloys (primary) in the form of billets, blocks, ingots, notched bars, powder, slabs, sticks, and old metal; (b) scrap and old metal; (c) magnesium and magnesium base alloys (secondary); (d) magnesium alloys in semisolidified form, as follows: (1) magnesium alloys in semisolidified form, as follows: drawing, extruding, forging, impact extruding, pressing, grinding, stamping, and powder metallurgy; (2) cast material produced by casting in sand, die, metal, or plaster moulds.	Retain to form new with item 2620	■	2620	3654
					2620 Magnesium and magnesium base alloys (except those covered by item 1654), as follows: (a) magnesium and magnesium base alloys (primary) in the form of billets, blocks, ingots, notched bars, powder, slabs, sticks, and old metal; (b) scrap and old metal; (c) magnesium and magnesium base alloys (secondary); (d) magnesium alloys in semisolidified form, as follows: (1) magnesium alloys in semisolidified form, as follows: drawing, extruding, forging, impact extruding, pressing, grinding, stamping, and powder metallurgy; (2) cast material produced by casting in sand, die, metal, or plaster moulds. (Criteria - ej; TD - none)
3661	Nickel and nickel-base alloys (alloy alloys containing 30 percent or more nickel) in the following wrought (semi-fabricated) forms: rings.	Delete			

* Signifies new or modified definition.

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CATEGORY: CHEMICALS, PLASTICS AND FERTILIZER PRODUCTS

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37.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	EXAMNO	WATCH	ITEM NO.	SCORE	DEFINITIONS
1701	Detonators: (a) mercury fulminate, lead azide, lead stibnite, and lead thiocyanate; (b) mixtures of these chemicals containing one or more of these chemicals; (c) sodium azide.	Retain as new watch item 2701.		W	2701	1701	2701 - Detonators: (a) mercury fulminate, lead azide, lead stibnite, and lead thiocyanate; (b) mixtures of these chemicals containing one or more of these chemicals; (c) sodium azide. (Criteria - a: TD - b,c,d,e) (Criteria - a: TD - b,c,d,e)
1702	Pyrotechnic fluids, pyrotechnic. (Note: See item 1703 for other pyrotechnic fluids.)	Retain as new embargo item 1701	Z		1701	1702	1701 - Pyrotechnic fluids, pyrotechnic. (Criteria - a,c: TD - a,b,c,d,e)
1703	Stabilizers for explosives, as follows: (a) ethyl and methyl centralites; (b) diphenylamines; (c) bis-diphenylamines (unsymmetrical diphenylamines); (d) methyl-m-diphenylamines (methyl unsymmetrical diphenylamines); (e) ethyl-m-diphenylamines (ethyl unsymmetrical diphenylamines); (f) ethyl phenyl urethanes; (g) diethyl urethanes; (h) diethyl poly-urethanes; (i) 2-ethylphenylamines; (j) 2-ethylphenylamines.	Attempt to have added to military list because of military use; if attempt fails, retain as new embargo item 1702.	Z (N)		1702	1703	1702 - Stabilizers for explosives, as follows: (a) ethyl and methyl centralites; (b) diphenylamines; (c) bis-diphenylamines (unsymmetrical diphenylamines); (d) methyl-m-diphenylamines (methyl unsymmetrical diphenylamines); (e) ethyl-m-diphenylamines (ethyl unsymmetrical diphenylamines); (f) ethyl phenyl urethanes; (g) diethyl urethanes; (h) diethyl poly-urethanes; (i) 2-ethylphenylamines; (j) 2-ethylphenylamines. (Criteria - a: TD - none)
1713	Borax nitrate.	Delete					
1715	Boron, the following: (a) boron nitrate, crude and refined; (b) boron element (metal), all forms, including grains and powder; (c) boron compounds and mixtures, n.e.s., the following: (1) boric acid and salts (sodium, potassium, ammonium, magnesium and calcium) and organo-borates, crude or refined, not including boron trifluoride and its complexes; (2) boron oxides, boron trifluoride and its complexes, boron trioxide and its complexes and its complexes, more of boron in combined and/or elemental (metallic) form (but not including perborates, metal borates - other than those in (c) (1) above, boron nitride and boron carbide).	Retain and expand to form new embargo item 1705. Part (c) is the addition.	Z		1705	1715	1705 - Boron, the following: (a) boron nitrate, crude and refined; (b) boron element (metal), all forms, including grains and powder; (c) boron compounds and mixtures, n.e.s., the following: (1) boric acid and salts (sodium, potassium, ammonium, magnesium and calcium) and organo-borates, crude or refined, not including boron trifluoride and its complexes; (2) boron oxides, boron trifluoride and its complexes, boron trioxide and its complexes and its complexes, more of boron in combined and/or elemental (metallic) form (but not including perborates, metal borates - other than those in (c) (1) above, boron nitride and boron carbide). (Criteria - a,c: TD - a,b,c,d,e)
1720	Diethyltoluamides.	Attempt to have added to military list because of military use; if attempt fails, retain as new embargo item 1705.	Z (N)		1705	1720	1705 - Diethyltoluamides; (Criteria - a: TD - none)
1725	Further, alcohol, tetrahydrofurfuryl alcohol.	Delete.					
1727	Glycols and their derivatives, as follows: (a) ethylene glycol (ethanediol-1,2), propylene glycol (propanediol-1,2) and mixtures containing mainly of these glycols; (b) thiodiglycol, and mixtures containing mainly thereof.	Retain as new watch item 2705	W		2705	1727	2705 - Glycols and their derivatives, as follows: (a) ethylene glycol (ethanediol-1,2), propylene glycol (propanediol-1,2) and mixtures containing mainly of these glycols; (b) thiodiglycol, and mixtures containing mainly thereof. (Criteria - a,c: TD - c,d,e)
1729	Hexamethylenetetramine.	Retain as new watch item 2710	W		2710	1729	2710 - Hexamethylenetetramine.
1731	Hydrates; hydrazine hydrate; hydrazine salts.	Retain and expand to form new embargo item 1710. Retain as new embargo item 1705.	Z		1710	1731	1710 - Hydrazine; hydrazine hydrate, hydrazine salts; (Criteria - a: TD - a,b,c,d,e)

*Signifies new or modified definition.

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CATEGORY: CHEMICALS, PLASTICS AND PETROLEUM PRODUCTS

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CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	REMARKS	WATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1732	Hydrogen peroxide (50 percent strength and over).	Retain as new embargo item 1735	E		1725	1732	Hydrogen peroxide (50 percent strength and over). (Criteria - a; TD - a,b,c,d,e)
1738	Methyl methacrylate clear sheets or sheeting, whether single or laminated, suitable for aircraft use. (Note: This sheet is of optical quality, 1/4 inch (6.3 mm) or more in thickness, meeting aircraft material specifications.)	Retain as new embargo item 1735	E		1735	1738	Methyl methacrylate clear sheets or sheeting, whether single or laminated, suitable for aircraft use. (Note: This sheet is of optical quality, 1/4 inch (6.3 mm) or more in thickness, meeting aircraft material specifications.) (Criteria - a,b,c,d,e)
1740	Polyethyl alpha-chloroacrylate (active or INAL).	Retain as new embargo item 1740	E		1740	1740	Polyethyl alpha-chloroacrylate (active or INAL). (Criteria - a,b,c; TD - a,b,c,d,e)
1741	Nitroguanidine.	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1740.	E(N)		1746	1741	Nitroguanidine. (Criteria - a; TD - none)
1742	Quinidine nitrate.	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1777.	E(N)		1747	1742	Quinidine nitrate. (Criteria - a; TD - none)
1744	Pentacyclicol; pentacyclicol tetranitrate.	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1740.	E(N)		1748	1744	Pentacyclicol; pentacyclicol tetranitrate. (Criteria - a; TD - none)
1748	Picric acid (trinitrophenol).	Attempt to have added to Munitions List; if attempt fails, retain as new embargo item 1779.	E(N)		1749	1748	Picric acid (trinitrophenol). (Criteria - a; TD - none)
1755	Silicon(e) oils and rubbers.	Retain as new embargo item 1720	E		1750	1755	Silicon(e) oils and rubbers. (Criteria - a,b,c; TD - a,b,c,d,e)
1757	Silicon of a purity of 99.9 percent or more.	Retain as new embargo item 1725	E		1755	1757	Silicon of a purity of 99.9 percent or more. (Criteria - a,b,c; TD - a,b,c,d,e)
1758	Crystals of lithium fluoride or of calcium fluoride the following: (a) natural or artificially made, worked or partly worked; (b) artificially made or specially selected natural unworked weighing not less than 2.5 grams each.	Retain as new embargo item 1730	E		1760	1758	Crystals of lithium fluoride or of calcium fluoride the following: (a) natural or artificially made, worked or partly worked; (b) artificially made or specially selected natural unworked weighing not less than 2.5 grams each. (Criteria - a; TD - a,b,c,d,e)
1773	Gasoline (motor and aviation).	Retain as new embargo item 1750; For motor gasoline it is recognized that criteria (a) and (b) are not met and difficulty will arise in fully demonstrating a critical deficiency, only arise because of Communist China. This main consideration in recommending continuation of embargo was to prevent the frustration of the tanker embargo either through shipment to the Far East in Western tankers or supplying the same through to Western tankers of flag of States and thus decreasing their tanker haul.	E		1750	1773	Gasoline (motor and aviation). (Criteria - a,c; TD - a,b,c,d,e)
1774	Kerosene	Retain as new embargo item 1755. Same remarks apply as for 1773 above.	E		1755	1774	Kerosene. (Criteria - c; TD - a,b,c,d,e)
New item		Retain as new embargo item 1760 has been deemed to reflect new jet fuels and to prevent frustration of other controls.	E		1760	1776	Jet fuel (aviation turbine engine fuel), including but not limited to: (a) white-out gasoline types; (b) kerosene types; (c) high flash kerosene types; (d) any petroleum product containing a high energy component and as byproduct of other components. (Criteria - c; TD - a,b,c,d,e)

Signifies new or modified definition.

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CLASSIFICATION: CHEMICALS, PLASTICS AND FIBERGLASS PRODUCTS

39.

CURRENT I/A LISTINGS

PROPOSED REVISION OF I/A LISTINGS

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I/A NO.	DEFINITIONS	ACTION	EMBARGO	VALUE	NEW I/A NO.	STRICT I/A NO.	DEFINITIONS
1775	Reference fuels, reference fuels, and calibrating fuels.	Retain as new embargo item 1770.	3	1770	1775	1770	Reference fuels, reference fuels, and calibrating fuels. (Criteria - b, c; TD - a, b, c, d, e)
1780	Lubricating oils and greases petroleum based. (Large Government may permit shipment of minor quantities of lubricants, for example under special servicing arrangements, as "exceptional circumstances". These should be reported in monthly statistics.)	Repeal and combine with parts of items 1761 and 1765 to form new embargo item 1765.	3	1765	1780	1765	Lubricating oils and greases petroleum based. (Large Government may permit shipment of minor quantities of lubricants, for example under special servicing arrangements, as "exceptional circumstances". These should be reported in monthly statistics.) (b) Lubricating oils and greases (other type) which are or contain: 1. glycol esters of monobasic aliphatic acids, 2. diester aliphatic acid esters, and/or 3. diester aliphatic acid esters of a kind which remain solidly liquid after 48 hours at minus 25 degrees Centigrade (minus 13 degrees Fahrenheit) using the test in item 1760, except: (1) by weight at least 10 percent of the weight of neutral ester oil or not less than 5% of neutral ester oil and not less than 5% of neutral ester oil and together; (2) esters of malic, malonic, succinic, and pentadecylic acids. (c) Additives for lube oils and greases. (Criteria - c; TD - a, b, c, d, e)
1781	Synthetic lubricating oils and greases (ester type).	Repeal part of 1770 and combine with 1760 and part of 1765 to form new embargo item 1765. Delete remaining coverage.					
1786	Additives for lubricating oils and greases and for diesel fuels.	Repeal part of 1765 and combine with 1760 and part of 1770 to form new embargo item 1765. Repeal remaining coverage by combining with items 1769 and C-787 to form new embargo item 1780.					
1788	Tetra-ethyl lead, tetra-ethyl lead fluid, and any mixture containing more than 3 cc of tetra-ethyl lead per gallon (0.66 cc per liter).	Repeal as new embargo item 1775.	3	1775	1788	1775	Tetra-ethyl lead, tetra-ethyl lead fluid, and any mixture containing more than 3 cc of tetra-ethyl lead per gallon (0.66 cc per liter). (Criteria - a, c; TD - None).
1789	High octane blending agents for aircraft fuels, as follows: (a) alkylation (aviation grade); (b) codimer (isopropyl benzene); (c) diisobutyl benzene; (d) diisopropyl (2, 3, dimethylbutane); (e) hydrocodimer; (f) isooctane; (g) isopentane; (h) isopentane; (i) isopentane; (j) isopentane; (k) isopentane; (l) isopentane; (m) isopentane; (n) isopentane; (o) isopentane; (p) isopentane; (q) ethyl benzene.	Repeal and combine with C-787 and part of 1765 to form new embargo item 1780.	3	1780	1789	1780	High octane blending agents for aircraft fuels, as follows: (a) alkylation (aviation grade); (b) codimer (isopropyl benzene); (c) diisobutyl benzene; (d) diisopropyl (2, 3, dimethylbutane); (e) hydrocodimer; (f) isooctane; (g) isopentane; (h) isopentane; (i) isopentane; (j) isopentane; (k) isopentane; (l) isopentane; (m) isopentane; (n) isopentane; (o) isopentane; (p) isopentane; (q) ethyl benzene. (b) Additives, except octane number improvers, for petroleum fuels, including motor fuels; (Criteria - a, b, c; TD - a, b, c, d, e)

*Signifies new or modified definition.

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CATALOG: CHEMICALS, PLASTICS AND FIBERGLASS PRODUCTS

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	PROPOSED REVISION OF I/L LISTINGS	NEW ITEM NO.	SCORE	DEFINITIONS
1790	Ignition quality (cetane number) improves for diesel fuels.	Delete				
1793	Hydraulic fluids, petroleum based, possessing all of the following characteristics: (a) Kinematic viscosity of 4.6 centistokes or greater at 210°F (98.9°C); (b) Pour point of -30°F (-34.4°C) or lower; (c) Viscosity index (V.I.) of 150 or higher.	Retain as new embargo item 1795.	X	1795	1793	1795 - Hydraulic fluids, petroleum based, possessing all of the following characteristics: (a) Kinematic viscosity of 4.6 centistokes or greater at 210°F (98.9°C); (b) Pour point of -30°F (-34.4°C) or lower; (c) Viscosity index (V.I.) of 150 or higher. (Criteria - a, b, c; TD - a,b,c,d,e)
3716	Carbon blacks, (except channel blacks).	Retain and combine with NMR 4741, to form new item 2715.	V	2715	3716 4741	2715 - Carbon blacks. (It is proposed to develop a licensing guide with respect to the more strategic types and to request multilateral reporting by such types in order that meaningful evaluation of such trade can be made.) (Criteria - a; TD - a,b,c,d,e)
3717	Cellulose, purified - containing not less than 88 percent alpha-cellulose.	Delete.				
3720	Fluorinated hydrocarbons, as follows: (a) Dichlorodifluoromethane (F-12); (b) Trichlorofluoromethane (F-11); (c) Tetrafluoromethane (F-114); (d) Difluorodichloromethane (F-113); (e) Perfluorooctane (F-18-2-2); (f) Perfluorodecane (F-18-2-2);	Retain to form new item 2720.	V	2720	3720	Z220 - Fluorinated hydrocarbons, as follows: (a) Dichlorodifluoromethane (F-12); (b) Trichlorofluoromethane (F-11); (c) Tetrafluoromethane (F-114); (d) Difluorodichloromethane (F-113); (e) Perfluorooctane (F-18-2-2); (f) Perfluorodecane (F-18-2-2); (Criteria - a; TD - a,b,c,d,e)
3724	Perfluor.	Delete.				
3725	2,4-Dinitrophenol.	Delete.				
3750	Polyethylene, as follows: (a) With average molecular weight above 10,000; (b) With average molecular weight 10,000 or less.	Retain part (a) to form new embargo item 1745. This upgrading reflects both new technology, increasing strategic uses of large volume and shortage in Sino-Soviet bloc. Delete part (b).	X	1745	3750(a)	*Z225 - Polyethylene with average molecular weight above 10,000. (Criteria a,b,c; TD - a,b,c,d,e).
3752	Potassium hydroxide.	Delete				
3753	Phenol.	Retain as new item 2725.	V	2725	3753	Z226 - Phenol. (Criteria - a; TD - a,b,c)
3755	Silicones (other than those covered by item 1795) and silicone(s) greases.	Retain as new item 2730.	V	2730	3755	Z229 - Silicones, n.e.s., and silicone(s) greases. (Criteria - a,b; TD - b,a,c,d,e)
3760	Thiazium tetrahydrofide.	Delete.				
3761	Sulphur (from whatever source): Crude, crushed, ground, refined, molten or flowery; and sulphur dusts, spray concentrates or other preparations containing 85 percent or more sulphur.	Retain as new item 2735.	V	2735	3761	Z225 - Sulphur (from whatever source): Crude, crushed, ground, refined, molten or flowery; and sulphur dusts, spray concentrates or other preparations containing 85 percent or more sulphur. (Criteria - a; TD - a,b,c)
3764	Toluene.	Retain as new item 2740.	V	2740	3764	Z240 - Toluene. (Criteria - a; TD - a,b,c)
3766	Polyvinylbutyral.	Retain as new item 2745.	V	2745	3766	Z245 - Polyvinylbutyral. (Criteria - a; TD - a,b,c,d,e)
New Item		New item 2750 developed to reflect strategic significance of white phosphorus.	V	2750	pc-714	Z250 - White phosphorus. (Criteria - a; TD - a,b,c)

*Signifies new or modified definition.

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CATEGORY: CRYPTOLISTS, PLASTICS AND PETROLEUM PRODUCTS

SECRET 41.

CURRENT I/L LISTINGS				PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	DEBARGO	WATCH	NEW ITEM NO.	SCORE	DEFINITIONS
3768	Grade petroleum. (Note: Governments should limit shipments to minor quantities, for example under special servicing arrangements. See also Doc. 1627 for a special understanding concerning this item.)	(Should under review is item 3765: (a) Non-shipment agents, as follows: (b) Non-shipment agents.)			2765	3768	Grade petroleum. (Note: Governments should limit shipments to minor quantities, for example under special servicing arrangements, as "administrative exceptions" but should avoid all shipments to far eastern destinations of the Soviet bloc, including the bunkering of bloc vessels moving to or from such ports. (Criteria - ci TD - none).)
3769	Distillate fuel oils, including diesel oil. (Note: Governments should limit shipments to minor quantities, for example under special servicing arrangements. See also Doc. 1627 for a special understanding concerning this item.)	Retain as new watch item 2760 and add a licensing guide as a note. It is difficult fully to demonstrate criteria (c) for this item. Current list III has been added to be equivalent to the cargo. Retention on the watch list with a revised note is supported largely to avoid frustrating the tanker control.			2760	3769	Distillate fuel oils, including diesel oil. (Note: Governments should limit shipments to minor quantities, for example under special servicing arrangements, as "administrative exceptions" but should avoid all shipments to far eastern destinations of the Soviet bloc, including the bunkering of bloc vessels moving to or from such ports. (Criteria - ci TD - none).)
3772	Residual fuel oil. (Note: Governments should limit shipments to minor quantities, for example under special servicing arrangements. See also Doc. 1627 for a special understanding concerning this item.)	Retain as new watch item 2765 and add a licensing guide as a note. It is difficult fully to demonstrate criteria (c) for this item. Current list III treatment is considered to be equivalent to the cargo. Retention on the watch list with a revised note is supported largely to avoid frustrating the tanker control.			2765	3772	Residual fuel oil. (Note: Governments should limit shipments to minor quantities, for example under special servicing arrangements, as "administrative exceptions" but should avoid all shipments to far eastern destinations of the Soviet bloc, including the bunkering of bloc vessels moving to or from such ports. (Criteria - ci TD - none).)

*Signifies new or modified definition

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CATEGORY: RUBBER AND RUBBER PRODUCTS

SECRET

CURRENT I/L LISTINGS

PROPOSED REVISION OF I/L LISTINGS

I/L NO.	DEFINITIONS	ACTION	EXAMINO	WATCH	NEW ITEM NO.	SOURCE ITEM NO.	DEFINITIONS
1801	Butyl synthetic rubber	Retain in combination with part C-801 to form new embargo item	E		1801	1801 PC-801	*1801 Synthetic rubber, the following: (a) butyl; (b) cold styrene types; (c) R-type (copolymer of butadiene and styrene); (d) liquid ethyl polymethacrylate polymers. (Excludes - a, b, c, d, e)
1820	Pneumatic tire casings (excluding tractor and farm implement types), as follows: (a) 6 ply rating and over in the sizes 9.00 x 16; 10 ply rating and over in the sizes 14.00 x 20 and 12.00 x 20; (b) 8 ply rating and over in the sizes 9.00 x 16; 10 ply rating and over in the sizes 14.00 x 20 and 12.00 x 20; (c) 12 ply rating and over in the sizes 14.00 x 20 and 12.00 x 20; (d) 8 ply rating and over in the sizes 7.00 x 16, 6.50 x 20 and 6.50 x 19; (e) 8 ply rating and over in the sizes 9.00 x 20, 7.50 x 20 and 7.00 x 20.	Retain most of coverage in combination with part of C-820 to form new embargo item 1805. Delete remaining coverage.	E		1805	1820 PC-820	*1805 Pneumatic tire casings (excluding farm implement types), as follows: (a) of a kind specially constructed to be bullet proof or to run when deflated; (b) of 10 ply or over in sizes 9.00 or over. (Excludes - a, b, c, d, e)
1840	Water lubricated bearings with bearing surfaces made with Item 8 compounds.	Delete					
New Item					2801	PC-801	*2801 Synthetic rubbers, n.e.s., except diene, styrene and regular (but type) styrene. (Excludes - a, b, c, d, e)
2801	Natural rubber, including latex	Delete					

* Signifies new or modified definition.

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CATEGORY: MISCELLANEOUS

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42.

CURRENT I/L LISTINGS		PROPOSED REVISION OF I/L LISTINGS			
I/L NO.	DEFINITIONS	ACTION	RECORD NUMBER	NEW SOURCE I/L NO.	DEFINITIONS
1910	New optical glass in the same (tinted or untinted) as follows: (a) block plates (slabs), pressings and moulds (other than rough-woulded lenses and prisms), with a unit weight of 1.0 kilograms or more; (b) rough-woulded lenses with a unit weight of 0.5 kilograms or more; (c) rough-woulded prisms with a unit weight of 0.5 kilograms or more.	Retain as new embargo item 1556.	B	1556	1910
				1556	New optical glass in the same (tinted or untinted) as follows: (a) block plates (slabs), pressings and moulds (other than rough-woulded lenses and prisms), with a unit weight of 1.0 kilograms or more; (b) rough-woulded lenses with a unit weight of 0.5 kilograms or more; (c) rough-woulded prisms with a unit weight of 0.5 kilograms or more. (Criteria - a,b) ID - a,b,c)
1900	Paper or synthetic film for dielectric use (condenser tissue), over as follows: (a) synthetic film 0.0015 inches (.038 mm) or less in thickness; (b) coated paper 0.0015 inches (.038 mm) or less in thickness; (c) uncoated paper 0.004 inches (.100 mm) or less in thickness.	Retain part (a) as new embargo item 1558. Delete parts (b) and (c).	B	1558	1900
				1558	Synthetic film for dielectric use 0.0015" (.038 mm) or less in thickness. (Criteria - a,c) ID - a,b,c)
1900	Nylon parachute cloth. (Note: This covers nylon cloth with the following characteristics: Weight: 1.1 oz. per sq. yd. (35 gr per sq. m.); Minimum thickness: 0.002 inch (0.08 mm); Minimum breaking strength: 40 lbs. per inch warp and filling; Minimum tear strength: 3.5 lbs. warp and filling; Elongation: 22% minimum; Air permeability: 80 to 100 cu. ft. per minute per sq. ft. of cloth.)	Retain to form new watch item 2901.	B	2901	1910
				2901	Nylon parachute cloth. (Note: This covers nylon cloth with the following characteristics: Weight: 1.1 oz. per sq. yd. (35 gr per sq. m.); Minimum thickness: 0.002 inch (0.08 mm); Minimum breaking strength: 40 lbs. per inch warp and filling; Minimum tear strength: 3.5 lbs. warp and filling; Elongation: 22% minimum; Air permeability: 80 to 100 cu. ft. per minute per sq. ft. of cloth.) (Criteria - a) ID - none)
3920	Uncoated paper for dielectric use (condenser tissue), over 0.004 inches (0.100 mm) up to and including 0.004 inch (0.098 mm) in thickness.	Delete			

Signifies new or modified definition.

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